Safety and Fitness Electronic Records (SAFER) System and
Commercial Vehicle Information Exchange Window (CVIEW)

Carrier, Vehicle, and Driver Snapshots

Baseline Version

White Paper

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The Motor Carrier Safety Improvement Act was signed into law on December 9, 1999. This act established a new FMCSA within the US DOT, effective January 1, 2000. Prior to that, the motor carrier and highway safety program was administered under the Federal Highway Administration (FHWA).

The mission of the FMCSA is to improve truck and commercial passenger carrier safety on our nation's highways through information technology, targeted enforcement, research and technology, outreach, and partnerships. The FMCSA manages the ITS/Commercial Vehicle Operations (CVO) Program, a voluntary effort involving public and private partnerships that uses information systems, innovative technologies, and business practice reengineering to improve safety, simplify government administrative systems, and provide savings to states and motor carriers. The FMCSA works closely with the FHWA's ITS JPO to ensure the integration and interoperability of ITS/CVO systems with the national ITS program.

Please note that this is a Baseline Version

This is a baseline document. This document has completed internal and external reviews of previously published drafts and preliminary versions. All comments received to date have been incorporated or addressed.

Note: This document and other CVISN-related documentation are available for review and downloading by the ITS/CVO community from the JHU/APL CVISN site on the World Wide Web. The URL for the CVISN site is: http://www.jhuapl.edu/cvisn/

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Change Summary: Version P1.0 of the document incorporated revisions related to these change requests:
- CRF 188 - Modify Data Structures for HazMat Carried/Shipped Table
- CRF 229 - Add Carrier Snapshot Fields for SafeStat Categories
- CRF 231 - PRISM Updates
- CRF 234 - Title Number for Vehicle
- CRF 252 - State Level Hot List
- CRF 253 - Weight Compliance History Screening
- CRF 270 - Add SafetyNet 2000 Fields to Carrier Snapshot
- CRF 274 - Add Fields to Snapshots for Screening Enrollment
- CRF 275 - Add Licensing and Insurance Information to SAFER Snapshots

- CRF 291 - Add License Plate State Field to Vehicle Database
- CRF 323 - Table 05 Updates
- CRF 376 - Addition of SafetyNet 2000 Data Elements
- CRF 391 - New Vehicle Views
- CRF 424 - Add Total Cars to Snapshot
- CRF 475 - Title Number for Vehicle
- CRF 476 - E-Screening
- CRF 484 - IRP Fleets and Multiple Check Flags
- CRF 548 - Primary Carrier ID
- CRF 549 - Transponder ID
- CRF 560 - Lengthen Vehicle Identification Number
- CRF 570 - Add Jurisdiction and Plate to Vehicle ID

The baseline version of the document incorporates revisions related to these change requests:

- CRF 212 - OOS Flags
- CRF 353 - IFTA View
- CRF 607 - Rename IRP Check Flag
- CRF 626 - Add L & I Summary Fields to Carrier Snapshot
- CRF 693 - Add MCS 150 Mileage and Year to Carrier Snapshot
- CRF 1031 - Don't Create Vehicle snapshots from inspection reports
- CRF 1046 - Clear Definition for IRP Check Flag
- CRF 1059 - 4 digit SSN's for Tax-Id in Carrier Snapshot
- CRF 1308 - IRP View for Carrier
- CRF 1322 - IRP Vehicle View Sans Transponder ID
- CRF 1508 - CVIEW Will Not Store IRs Locally
- CRF 1551 - No EDI Queries from JHU/APL-developed CVIEW to SAFER
- CRF 1662 - Safer Now Stores IRs for 60 Days

SAFER/CVIEW Carrier, Vehicle and Driver Snapshots

Executive Summary

The national Safety and Fitness Electronic Records (SAFER) system and its distributed version, the state Commercial Vehicle Information Exchange Window (CVIEW) system or equivalent, manage information relating to the safety and credentials of motor carriers and vehicles. The information stored in both SAFER and CVIEW today is organized into two major types of data, carrier and vehicle. The design also accommodates a driver data type for future use. These data types are called snapshots since they provide summary information that is intended to give a quick picture of the safety performance history and basic credentials information. In addition, SAFER and CVIEW make available, but do not permanently store, more detailed information contained in reports. This paper discusses the SAFER/CVIEW snapshots. For CVISN Level 1, only carrier and vehicle snapshots are supported.

SAFER/CVIEW snapshots contain three general categories of information: identification/census, safety, and credential. The identification/census section of the snapshot provides identifying numbers, names, addresses and other information that establishes the identity of the carrier or vehicle. The safety information includes selected statistics related to accidents, violations and inspections, as well as safety ratings, if they exist. The credential information is equivalent to the decals and paper documents carried today on commercial vehicles. The information included in the snapshots has been undergoing a process of review and refinement over the course of two to four years; additions are still possible as new uses are identified for snapshots.

The original purpose for the SAFER/CVIEW snapshots was to support electronic screening of vehicles at commercial vehicle check stations. In one operating scenario, on approach to the check station, identification information is read from the vehicle's transponder, and the vehicle is weighed. The identifiers are correlated with the SAFER/CVIEW snapshots, safety history, registration and authority data are checked, credentials check flags are examined, weight is checked against legal limits, and a decision made as to whether or not the vehicle should be pulled in. As the SAFER and CVIEW or equivalent systems are implemented, the value of snapshots for administrative processes becomes clear. Today, programs such as Performance and Registration Information Systems Management (PRISM) also plan to use snapshots to evaluate safety history in connection with vehicle registration.

The revision of the whitepaper describes in detail the content of the snapshots processed by SAFER/CVIEW version 2. In this version, data items contained in the snapshots have been updated as a result of the implementation of several Change Requests (CRs) reviewed and processed by the CVISN Architecture Configuration Control Board (ACCB). A new appendix (C) has been added that defines the allowable values for some data elements in carrier and vehicle snapshots. Appendix A has been modified to include SAFER database specific information that details data element types, lengths and table locations. In addition, formats of the tables in both *Appendix A. Detailed Snapshot Contents* and *Appendix B. Snapshot Views and*

Data Sources have been changed to enhance readability. Appendix D now contains the viewgraphs for use in describing snapshots concepts and contents.

Summary of Snapshot Contents

Snapshot Data Stored in SAFER/CVIEW

Data → ↓Snapshot	Identifier/Census Data	Safety Information	Credential Information
Carrier	● [1]Primary Carrier ID; ● Other IDs (e.g., Taxpayer ID, DUNS, IRP account, etc.); ● Names; ● Addresses; ● Type; ● Operations Characterization	● Safety Ratings; ● Accident, Inspection & Violation Summaries; ● Safety Review History; ● [1] Last OOS; ● PRISM Data	● Carrier Registration; Fuel Tax Data; ● Insurance Data; HazMat Registration; [1]Permit Data; Electronic Screening Enrollment; Carrier Check Flags (e.g., IRP & IFTA flags)
Vehicle	● [1]VIN; ● [1]Vehicle Plate ID Other IDs (e.g., Plate, IRP Account, CVIS Default Carrier, Transponder, Title Number); Vehicle Description	● Last Inspection Overview; ● Inspection & Violation Summaries; ● [1]Last OOS; ● CVSA Decal Data; PRISM Data	● Apportionment (i.e. Cab Card Data); [1]Permit Data; Electronic Screening Enrollment; ● Vehicle Check Flags: (e.g., Registration Check Flag)
Driver (Future)	[1]Driver Unique ID; [1]Home State; Names; Address; DOB, Sex; Citizenship	Last Inspection Overview; Accident Summary; Inspection & Violation Summaries; [1]Last OOS	Driver Check Flags (e.g., DMV Check Flag)

● As of April 2001, fields populated in the SAFER database for interstate
Note: 1 = Data are current; all other data are historical

SAFER/CVIEW Carrier, Vehicle and Driver Snapshots

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1 Overview

1.1 Introduction

SAFER (Safety and Fitness Electronic Record) System is a national data exchange system developed by the Federal Motor Carrier Safety Administration (FMCSA). SAFER provides standardized carrier, vehicle, and driver (future) datasets (snapshots and reports) containing limited safety and credentials information to users. SAFER is an on-line system that is available to users over a nationwide data network, and will return an interstate carrier, vehicle, and/or driver (future) snapshot to the requester within a few seconds. The design goal for a query response for a single record is ten seconds or less 90% of the time; this goal does not account for dial-up time, if that communications mode is selected.

CVIEW (Commercial Vehicle Information Exchange Window) System is a system whose primary focus is to provide exchange of intra- and interstate snapshots and reports for carriers, vehicles, and drivers (future) within a state. The CVIEW or equivalent assembles and maintains the credentials portions of interstate snapshots and assembles and stores intrastate snapshots. A distributed, state-level version of the SAFER system, CVIEW or equivalent is a key element of each state's CVISN design. The prototype and pilot CVISN states are implementing CVIEWs. The CVIEWs will collect information from the CV credentialing and tax systems to formulate segments of the interstate carrier, vehicle, and driver (future) snapshots and reports for exchange within the state (e.g., with roadside sites) and with the SAFER system.

SAFER/CVIEW **snapshots** contain limited identification/census, safety, and credential information. Snapshots are used primarily by <u>systems</u> to support making quick decisions. Different snapshot "views" (i.e., subsets) support different system users. Snapshots are assembled by SAFER/CVIEW from proactive inputs from multiple sources and are stored within the SAFER/CVIEW systems. The paper describes in detail the content of the snapshots processed by SAFER/CVIEW version 2. SAFER was initially built to provide snapshot data to CVIEW using EDI. That is the mechanism by which the JHU/APL CVIEW currently receives subscription data from SAFER. SAFER also responds to EDI queries for snapshots. In the JHU/APL version of CVIEW however, snapshot queries (carrier only) are sent to SAFER via remote procedure call (RPC), not EDI. In accordance with CRF 1551, the RPC capability was implemented in both SAFER and CVIEW to improve performance for the near-term, but its long-term support is uncertain and continued availability is not guaranteed. EDI is the current official interface. States can enhance the JHU/APL

Totality of CVO Information

Snapshot view

Data exchanged via open standard

Roadside Ops

Safety History

Snapshot

Standardized report type

Vehicle Maintenance Log

Non-standardized report type
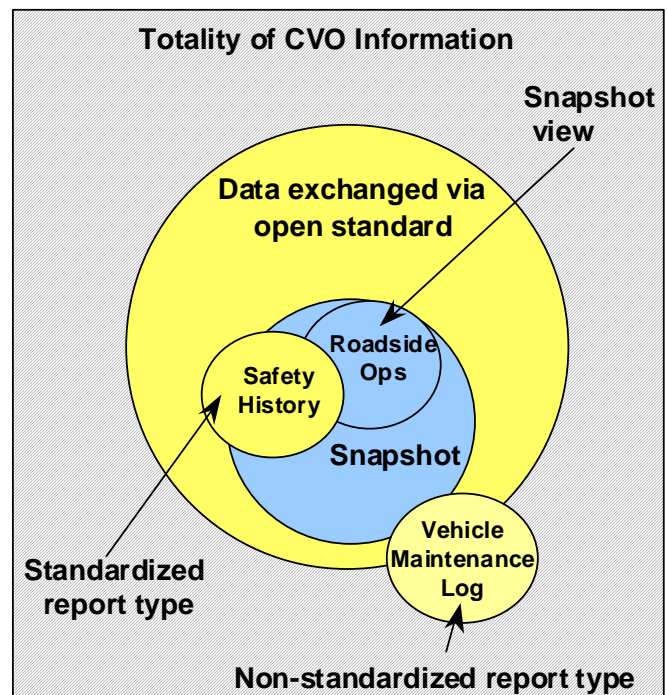
CVIEW by implementing EDI snapshot queries; however, in the future, the snapshot interface is expected to be Web-based, using XML and HTTP; new developers should concentrate on that approach.

Standardized safety reports generally contain more details than snapshots, but not necessarily the complete set of information available. Reports will be pre-defined according to user demands. People (as opposed to systems) normally use reports when snapshots do not provide all the needed information. As with snapshots, different report types support different people/functions. Reports are transmitted via flat-file. Reports are usually generated by the authoritative source, and simply transmitted to the requester by SAFER/CVIEW. In accordance with CRFs 1508 and 1662, inspection report data is retained in SAFER on a temporary basis for 60 days. Inspection reports are not stored in CVIEW.

The remainder of this paper discusses snapshots.

1.2 Fundamental Principles Related to Snapshots

These principles guided the approach to the development of the SAFER and CVIEW or equivalent systems, and drove the contents proposed for snapshots.

- **There are three types of snapshots: carrier, vehicle, and driver (future).**
  These represent the three key entities in commercial vehicle operations.

- **SAFER manages interstate snapshots.**
  The SAFER system was created to facilitate the exchange of carrier safety information among jurisdictions. The system has been extended to also provide credential summaries for interstate carriers, and to provide safety and credential summaries for interstate vehicles and drivers.

  As part of ongoing efforts to improve SAFER, the SAFER Option Working Group has been formed to look at ways to include intrastate data as well as interstate data as an alternative to developing and maintaining CVIEWs in individual states.

- **The State CVIEW (or equivalent) assembles and maintains the credentials portion of interstate snapshots and assembles and stores intrastate snapshots.**
  The CVIEW or equivalent system provides for the electronic exchange of interstate carrier and vehicle credential data between state source systems and SAFER. The CVIEW or equivalent system provides for the electronic exchange of intrastate carrier and vehicle safety and credential data between state source systems and users.

- **Snapshots were primarily designed to support roadside electronic screening; many other uses have emerged.**
  Congress mandated that carrier safety information be provided to roadside check stations as part of an initiative to improve safety in commercial vehicle operations. As snapshots were extended to include credentials information, their utility for other applications also grew. For example, PRISM (Performance and Registration Information Systems Management) states

intend to use snapshots to check the carrier's safety status before renewing vehicle registration.

While carrier and vehicle snapshots are currently well defined and being used in many ways, driver snapshots remain conceptual. Administrative concerns, particularly regarding privacy, along with the technology currently in use, such as transponders and the communications infrastructure supporting roadside users, limit the availability of driver data. However, screening based on the driver may prove to be effective in improving safety. CVISN will continue to evaluate whether roadside screening based on driver license status can provide a cost-effective benefit when used in addition to screening based on the vehicle and carrier.

- **Snapshots are routinely distributed according to subscription criteria.**
  A subscriber may set snapshot content-driven criteria for which snapshots should be provided by SAFER/CVIEW to that user. For example, a roadside site in Kentucky may choose to receive snapshots for all carriers based in Kentucky, plus those based in Tennessee, Virginia, Ohio, Indiana, Missouri, Illinois, North Carolina, and West Virginia. For details on how to establish a subscription with SAFER, contact the Volpe SAFER Help desk.

- **Snapshots are also available for near-immediate response to a query.**
  An occasional user of snapshots may request them one at a time. Or, a regular subscriber system may request a snapshot that is not covered by its subscription criteria.

- **Authoritative sources contribute specific segments of data proactively to snapshots, sometimes via indirect source systems.**
  So that snapshots contain accurate information, sources of record (a.k.a. "authoritative sources") provide snapshot inputs to SAFER and CVIEW. Not all authoritative sources must be connected directly to SAFER/CVIEW to feed information to the snapshots.

- **Snapshots contain summary safety data, plus the equivalent of decals and paper documents carried on commercial vehicles today.**
  As technology allows movement away from paper documents and towards paperless vehicles, snapshots provide information equivalent to the "papers" carried on commercial vehicles today, but in electronic form that computers can process. These electronic equivalents to documents will allow mainline electronic screening for safe and properly credentialed vehicles.

- **Snapshot data are stored in SAFER and CVIEW.**
  SAFER and CVIEW store snapshot data for two reasons: to provide immediate response to a query, and to prevent SAFER/CVIEW from imposing undue data access/refresh burdens on authoritative sources. The design goal for a query response is ten seconds or less 90% of the time; this goal does not account for dial-up time assuming that communication mode is selected. This also assumes that a single record is returned as opposed to an aggregate response. If SAFER/CVIEW had to construct a complete snapshot from scratch every time any data in the snapshot changed, then all of the data source systems for that snapshot would be queried every time any item in the snapshot changed. The underlying motivation for the

snapshot concept is that data from a variety of sources should be made available to other systems to support near-real-time processing demands. To allow such quick response, snapshots are stored by the systems that provide them.

- **SAFER and CVIEW do not store copies of data readily available to SAFER/CVIEW users from other on-line systems.**
  Replication of data is undesirable, and should be avoided unless the information is not readily available (i.e., when needed and according to user timeliness requirements) to those authorized users who need the data.

1.3 Operational Concepts Related to Snapshots

The snapshot user and snapshot builder perspectives imply these operational concepts**:**

- **Carriers, vehicles, and drivers may operate as intrastate or interstate entities.**
  When carriers and vehicles are registered, the jurisdictions in which they intend to operate are specified. Most drivers obtain licenses that authorize them to drive in all jurisdictions. In some cases, licenses restrict the driver to intrastate operation. This interstate/intrastate distinction helps to clarify which snapshot data SAFER is responsible for, and which snapshot data the state CVIEWs must manage.

- **SAFER provides snapshots on interstate operators to authorized users.**
  SAFER is responsible for managing the snapshot data for interstate carriers, vehicles, and drivers (future), and for providing the data only to authorized users.

- **SAFER snapshots are provided to users based upon subscription or interactive request. Each user sets subscription criteria. The normal means of snapshot distribution is based on the subscription lists.**
  Subscription criteria are based on certain data contained in the snapshots. Subscribers can also define the change criteria that cause an updated version of a snapshot to be sent to them. For instance, some roadside site may choose not to use stolen and junked vehicle flags from the snapshots because it has some other means to access that information. In that case, the subscription criteria for that site could filter out any snapshot updates that might occur only because of changes in those flags. Carrier subscriptions may be established to generate all carriers in a given state or states, all active carriers nationally or by specific USDOT number. The subscription is filled when the snapshot is updated. Vehicle subscriptions may be established for vehicles registered in a given state or states.

- **By including the data equivalent to the decals and paper documents carried on commercial vehicles today as part of the snapshots, SAFER supports the notion of the paperless vehicle.**
  Under the "paperless vehicle" concept, drivers will no longer have to carry "hardcopy" evidence of the credentials for themselves, their vehicle, or the associated carrier. Instead, roadside enforcement officers will be able to check their credentials by a look-up in the

infrastructure, based on some standard identifiers. Snapshots are an early step towards providing rapid access to basic credentialing information electronically.

- **MCMIS provides safety data to SAFER for interstate carriers.**
  MCMIS is the primary source of safety data about interstate carriers today, and will continue to be so. State SAFETYNET systems update MCMIS with safety information collected at roadside sites. Since MCMIS is not set up to handle a large volume of requests for specific data, SAFER will provide summaries of the data stored in MCMIS to authorized users as part of the carrier snapshots.

- **The State CVIEW usually acts as the single point of contact within the state for providing interstate snapshot segment inputs to SAFER, and for retrieving interstate snapshots from SAFER for users within the state.**
  State information systems are usually the authoritative sources for data contained in snapshots. Each state's information systems are configured uniquely. To make the connection between states and SAFER simple, the recommended implementation option is to have the CVIEW collect inputs from the state systems and forward those snapshot segments to SAFER. Likewise, the state CVIEW will subscribe to SAFER (based on criteria that cover all of the state's snapshot needs) to receive snapshots for interstate operators. The snapshot views CVIEW gets from SAFER must cover all the data items needed by in-state systems.

- **Some authoritative sources not equipped to handle a high volume of information requests send check flags to CVIEW/SAFER. The check flags are based on criteria that are common across jurisdictions. Each authoritative source sets their flag proactively.**
  Check flags are used to indicate recent activity, especially negative actions regarding credentials. Instead of trying to maintain the latest credentials status in the SAFER snapshot, source systems send CVIEW/SAFER a check flag that acts as a warning to the receiving snapshot user to check with the authoritative source. The authoritative sources that choose to use this approach are responsible for sending check flag updates to CVIEW/SAFER proactively. Updating proactively means that the source system determines when it is necessary to send CVIEW/SAFER new information, and only updates the records that have changed. Generally, previously existing records in CVIEW/SAFER that have been updated are replaced.

- **The State CVIEW assembles and stores snapshots for intrastate carriers, vehicles, and drivers.**
  As SAFER does for interstate carriers, vehicles, and drivers (future), the State CVIEW assembles and stores snapshots for intrastate operators. This implies that the state CVIEW interacts with all information systems in the state that are associated with commercial vehicle intrastate safety and credentialing activities. If all those systems connect to CVIEW, then they can exchange information with each other via the CVIEW snapshots.

- **The State CVIEW provides snapshots to roadside sites and other users within the state.**

As the source of intrastate snapshots, it is natural for CVIEW to be the distribution agent for intrastate snapshots. Since CVIEW also acts as the interface between the state and SAFER, it is a natural distribution agent for the snapshots that SAFER provides (i.e., interstate snapshots). The state CVIEW will distribute snapshots to state subscribers according to their unique criteria. If a user system within the state needs another snapshot, it will make the request to CVIEW, which will pass the request to SAFER, if necessary, and return the desired snapshot to the requesting system.

- **SAFER will provide support for retrieving recent inspection reports.**
  If a SAFER/CVIEW user needs inspection information beyond that provided in the snapshot, a "past inspection report query (PIQ)" may be issued to SAFER or CVIEW. In accordance with CRFs 1508 and 1662, SAFER retains inspection reports for 60 days. Inspection reports are not stored in CVIEW. The state CVIEW or equivalent will pass the request for an inspection report on to SAFER. Authorized personnel could choose to go directly to the source system (MCMIS) for the information rather than to CVIEW or SAFER, in cases where this capability exists.

- **Snapshot users should always check with the authoritative source prior to any enforcement action.**
  SAFER and CVIEW are not authoritative sources for any information. They are systems that provide information from a variety of sources to streamline roadside (and other) operations. Whenever enforcement action is to be taken, users should check with the authoritative source to verify that the accuracy of the information on which the action is to be based.

- **Alternatives to using SAFER and CVIEW to exchange snapshots are being explored.**
  The SAFER Option Working Group (SOWG) is looking into options and concepts for using SAFER only. This group is also looking into alternative strategies for exchanging snapshots.

2 Definitions of Snapshot-Related Terms

SAFER/CVIEW Snapshots

A collection of carrier, vehicle, and driver (future) information assembled from authoritative or indirect sources. Snapshots reflect the state of those data when the information was provided to SAFER/CVIEW. SAFER assembles snapshots for interstate carriers and vehicles. Driver snapshots are not presently available. The state CVIEW assembles snapshots for intrastate carriers, vehicles, and drivers. Snapshot data *are stored* in SAFER and CVIEW. SAFER was initially built to provide snapshot data to CVIEW using EDI. That is the mechanism by which the JHU/APL CVIEW currently receives subscription data from SAFER. SAFER also responds to EDI queries for snapshots. In the JHU/APL version of CVIEW however, snapshot queries (carrier only) are sent to SAFER via remote procedure call (RPC), not EDI. The RPC capability was implemented in both SAFER and CVIEW to improve performance for the near-term, but its long-term support is uncertain and continued availability is not guaranteed. EDI is the current official interface. States can enhance the JHU/APL CVIEW by implementing EDI snapshot queries; however, in the future, the snapshot interface is expected to be Web-based, using XML and HTTP; new developers should concentrate on that approach.

SAFER/CVIEW Reports

Provided in response to a user query, these generally contain more detailed information than a snapshot. The inspection reports provided by SAFER are stored for 60 days. They are transmitted according to custom interface agreements.

Identification & Census Data

Data used to distinguish one carrier, vehicle, or driver (future) from another. The information is factual rather than evaluative.

Historical Safety & Credential Information

Information used to characterize the past safety performance of the carrier, vehicle or driver (future); and information used to characterize the carrier's or the vehicle's credentials, such as registration.

Check Flags

Indicator set by the authoritative source to alert users that there has recently (e.g., within a day or a week) been some problem with the associated credential. Since the check flag does not attempt to reflect up-to-the-minute status, the problem may have been resolved and the flag not yet reset by the source.

Current Safety Status

Most recent safety indicators, for instance, out-of-service (OOS) status.

Permit Data

The equivalent of the paper documents issued to the holder to authorize some special activity, such as the carrying of oversize, overweight, or HazMat loads.

Other Credential Data

Data used to describe other credentials such as fuel tax, carrier registration, HazMat, etc.

Detail

The lowest level of information available; may be raw input from the original source, or corrected based on update from the source, or from a review by an evaluative agency.

Summary

Information computed/determined/inferred from details.

View

A subset of the snapshot data stored in SAFER/CVIEW, tailored to a specific purpose. A view is used to define the data to be sent to/from SAFER/CVIEW via the TS 285 Transaction. Data sent to and from SAFER/CVIEW utilizes a defined input and output view to describe the portion of the snapshot being sent or received. Additional information about each view including whether the view is used for input, output or both is provided in Section 3.3. The following Carrier snapshot views are currently defined: Full, ISS, MCMIS, SafetyNet, Licensing & Insurance, E-screening enrollment, Roadside, SAFEVUE, IFTA, and IRP. The following vehicle snapshot views are defined: Full, IRP with Tag, IRP w/o Tag, Inspection, Roadside, and E-screening Enrollment. Appendix B shows the specific data contained in each view.

Snapshot Segment

Describes the portion of a complete snapshot being sent to SAFER from an authoritative source. Data sent to SAFER/CVIEW utilizes an input view to describe what data is being sent for use in updating or creating a snapshot.

Authoritative Source

Authoritative sources are information systems that can provide the correct response to a question. The authoritative source is the final arbiter in case of conflicts about data validity. Each jurisdiction identifies an authoritative source for each data element.

Indirect Source

An indirect source acts on behalf of an authoritative source to answer questions.

3 Snapshot Contents and Views

The SAFER and CVIEW systems contain information relating to the safety and credentials of motor carriers, vehicles and drivers (future). This information is organized into three record types, one each for carrier, vehicle and driver (future). They are called snapshots since they provide summary information, which is intended to give a quick picture of the safety performance and credentials.

Since the snapshot information serves a variety of users and purposes, a particular application may need only a subset of it. In order to save storage and transmission expense, SAFER and CVIEW provide *views* of the snapshot that contain only that subset of the information needed by a particular application.

This section summarizes the contents of the snapshots, and explains the purpose of each "view" that has been defined. The contents of snapshots may change as the SAFER/CVIEW and the legacy systems that supply data evolve. The contents of this document reflect the information and capabilities available using SAFER/CVIEW software 2.4.

3.1 Snapshot Changes

The contents of this paper reflect all changes to the content or interpretation of fields contained in the carrier or vehicle snapshot that have been approved and implemented as publication of this document. However a series of Change Request Forms (CRFs) have been recommended by the CVISN Architecture Configuration Control Board (ACCB) for FMCSA approval but have not yet been implemented. These changes may require significant work on the part of the SAFER development team. To date, there have not been sufficient resources to accomplish the implementation of these CRFs without adversely impacting the ongoing SAFER development schedule. To ensure that these concepts are carried forward, two lists of CRF's are being maintained. The first list shown below includes CRF's that have been closed with Version 2 of SAFER/CVIEW and are documented in this paper. The second list shown below includes CRF's that are under consideration and may be scheduled and implemented by the SAFER development team.

CRF List Addressed – These are CRF's that have been addressed by SAFER and are closed.

- CRF 212 - OOS Flags
- CRF 353 - IFTA View
- CRF 607 - Rename IRP Check Flag
- CRF 626 - Add L & I Summary Fields to Carrier Snapshot
- CRF 693 - Add MCS 150 Mileage and Year to Carrier Snapshot
- CRF 1031 - Don't Create Vehicle snapshots from inspection reports
- CRF 1046 - Clear Definition for IRP Check Flag
- CRF 1059 - 4 digit SSN's for Tax-Id in Carrier Snapshot
- CRF 1308 - IRP View for Carrier
- CRF 1322 - IRP Vehicle View Sans Transponder ID

- CRF 1508 – CVIEW Version 3 will not Store IRs locally
- CRF 1551 - No EDI Queries from JHU/APL-developed CVIEW to SAFER
- CRF 1662 – SAFER now stores IRs for 60 days

CRF List Not Addressed – These are CRF's that may be scheduled and implemented by the SAFER development team.

- CRF 252 - State Level Hot List
- CRF 253 - Weight Compliance History Screening
- CRF 393 – Last Update Date for Views
- CRF 484 – IRP Fleets and Multiple Check Flags
- CRF 714 - Multiple IRP Account number per Carrier
- CRF 827 – Snapshot View And updates
- CRF 940 - Prism Based Vehicle Changes for Vehicle Snapshots
- CRF 1028 - Change or Add options for snapshot
- CRF 1082 - Diesel Emissions
- CRF 1227 - Make Registration Data Repeating Fields
- CRF 1737 - Call Safety Carrier PRISM Carrier

3.2 Contents Summary

The SAFER and CVIEW systems store information about carriers, vehicles and drivers (future). For each of these entities a unique snapshot has been defined. Although each entity is unique, the information stored for each falls into the same general categories. These are *identification and census* information; *safety* information and *credential* information. In the safety and credential categories, some data are flags or check flags.

Identification and Census Information. Each unique carrier, vehicle and driver (future) is identified and described in the snapshot database. Carrier_ID_Number is used to distinguish one carrier from another. Carrier_ID_Number is the US DOT number for interstate carriers. Vehicle Identification Number (VIN) is used to distinguish one vehicle from another. General descriptive information is also included, both as a means of confirming identification in cases where some ambiguity may exist, and also when it is needed by the applications being supported. Census information is factual in nature and is not "evaluative" as, for instance, a safety score is. An example is the description of a carrier's operations, such as the cargo it carries, found in the carrier snapshot.

Safety Information. Snapshots contain safety information for carriers, vehicles and drivers (future). Snapshots include selected statistics related to accidents, violations and inspections, as well as safety ratings, if they exist. For instance, the carrier snapshot includes the carrier's Motor Carrier Safety Improvement Process (MCSIP) level, Selective Compliance Enforcement (SCE) score and SafeStat indicator, a crash summary, and other safety related information.

Credential Information. Carriers, vehicles and drivers are often issued paper credentials that are produced or displayed at the roadside. An example is the IRP "cab card." In some cases an electronic analog of the paper credential is provided in the snapshot.

Flags and Check Flags. Roadside operations that might need driver or vehicle status information must obtain it from the authoritative source itself. In order to support this process, snapshots contain *check flags* that may be used by an authoritative source as a placeholder for status, and to indicate that actual status information should be retrieved. Check flags can be considered an intermediate step between current status and historical information. They are available for use as a warning to check with the appropriate authoritative source because of recent problematic credentials-related activity in carrier, vehicle, or driver data for which the authoritative source is responsible.

The check flag is set by the authoritative source to say that the status of a particular entity may be suspect for some reason. If the check flag for a source is set, the snapshot user may want to query the authoritative source for up-to-date status information. A query would be necessary before any enforcement action could take place, since the flag in and of itself does not provide the necessary specifics. Maintaining check flags in the snapshots is more cost effective than maintaining current status, and provides more recent information than historical records based on initial credential applications.

Appendix A contains spreadsheets that show the detailed list of items in each snapshot. Appendix B shows the items in each existing snapshot view. Appendix C contains tables that list expected values, if defined for a given element. This appendix describes validations done by the SAFER application. The ACCB provides mechanisms for discussion of changes to the standard snapshot item lists and the SAFER/CVIEW staff and CVISN ACCB will process requests for new views.

3.2.1 Carrier Snapshot

The carrier snapshot contains several identifiers by which it may be accessed depending on the application or area of interest. Retrieval of carrier snapshots may be done using Carrier_ID_Number or ICC number. Updates to the carrier snapshot are done using the Carrier_ID_Number as the Primary Carrier ID so that revised or new information can be matched to existing records. Please see reference 2 for more information on identifiers. Carrier_ID_Number is the US DOT Number for interstate carriers.

In addition to the identifiers, information that characterizes the carrier, including its operations, is also included. Safety history, inspections, and resulting ratings are summarized in the snapshot. Credential data equivalent to that carried on each of the carrier's vehicles is included in the credentials section. Check flags to alert enforcement officers about recent credentialing activities or problems are part of the snapshot. E-screening enrollment data to identify participating carriers is included in the snapshot.

3.2.2 Vehicle Snapshot

The vehicle snapshot also contains several identifiers by which it may be accessed depending on the information available to the requester. Vehicle snapshots may be retrieved by VIN or by License_Plate_Number and IRP_Base_State. Vehicle snapshots are updated using only the Vehicle Plate ID. Please see reference 2 for more information on identifiers.

Snapshot safety data includes an overview of the last inspection, when the CVSA decal will expire, and summaries of inspections and violations. Again, data equivalent to the information carried on the vehicle are part of the credentials section. Check flags to alert enforcement officers about recent credentialing activities or problems are part of the snapshot. E-screening enrollment data to identify participating vehicles is included in the snapshot.

3.2.3 Driver Snapshot (Future)

The driver snapshot, if and when it is implemented, may be keyed by the Driver Unique ID (based on the driver's license number). Other census information may be stored in the snapshot to clarify the identity of the driver and to support data integrity checks. Snapshot safety data may include recent inspection results, and historical accident, inspection, and violation summaries. Check flags to alert enforcement officials about recent credentialing activities or problems may be part of the snapshot.

3.3 View Summaries

A view is used to define the data to be sent to/from SAFER/CVIEW via the TS 285 Transaction. Data sent from SAFER/CVIEW utilizes a defined view to describe the portion of the snapshot the requestor will receive or a sender is updating. Retrieval criteria are used to retrieve snapshots from safer via query. The senders use updated keys to identify to SAFER the snapshot to be changed.

Appendix B contains tables that provide a detailed description of the fields contained in each view defined for carrier and vehicle snapshots. The views defined in Appendix B represent the views available for SAFER/CVIEW version 2. Additional views will be defined as necessary as the systems mature. Users can submit requests for additional views to:

> Ms. Sandra B. Salazar
> CVISN Architecture Configuration Control Board
> MS 24E225
> The Johns Hopkins University Applied Physics Laboratory
> 11100 Johns Hopkins Rd
> Laurel, MD 20723-6099
> Phone: 240-228-7610
> Fax: 240-228-6149
> E-Mail: mailto:Sandra.Salazar@jhuapl.edu

The request will be reviewed by the Architecture CCB.

3.3.1 Carrier Views

The following Carrier snapshot views are currently defined: Full, ISS, MCMIS, SafetyNet, Licensing & Insurance, E-screening enrollment, Roadside, SAFEVUE, IFTA, IRP and PRISM.

3.3.1.1 Full View (Q105)

View Type: Retrieval

Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID (null permitted)

        or

                   ICC_Number

The full view includes all SAFER snapshot data pertaining to the carrier.

3.3.1.2 Inspection Selection System (ISS) View (Q110)

View Type: Retrieval

Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID (null permitted)

        or

                   ICC_Number

This view contains the SAFER data required to support the identification of the carrier and the computation of the ISS score for use in determining which vehicles should be inspected.

3.3.2.3 MCMIS View (Q102)

View Type: Update and Retrieval

Update Key: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID (null permitted)

Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID (null permitted)

        or

                   ICC_Number

The MCMIS view details the information supplied to SAFER by the Federal Motor Carrier Safety Administration MCMIS system about the safety, safety review, and inspection history of interstate motor carriers.

3.3.2.4 SAFETYNET View (Q101)

View Type: Retrieval

Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID (null permitted)

        or

                   ICC_Number

The SAFETYNET 2000 view describes the information being sent from MCMIS to SAFETYNET via the carrier snapshot.

3.3.2.5 Licensing and Insurance View (Q107)

View Type: Update and Retrieval

Update Key: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID (null permitted)

Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID (null permitted)

        or

ICC_Number

This view includes the information from the Licensing and Insurance System obtained from the Interstate Commerce Commission (ICC) and being maintained by FMCSA.

3.3.2.6   E-Screening Enrollment View (Q104)

View Type: Update and Retrieval
Update Key: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID
                      (null permitted)
Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID
                      (null permitted)
        or
                      ICC_Number

The E-Screening Enrollment view contains the information necessary to register carriers in multiple screening programs and to permit screening by transponder ID across boundaries of jurisdictions and screening programs.

3.3.2.7   Roadside (ROC) View (Q108)

View Type: Retrieval
Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID
                      (null permitted)
        or
                      ICC_Number

The ROC view contains the information necessary to screen vehicle and carriers at the roadside.

3.3.2.8   SAFEVUE View (Q103)

View Type: Retrieval
Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID
                      (null permitted)
        or
                      ICC_Number

The SAFEVUE view contains the information required by the SAFEVUE software. This software is no longer being maintained but the view is being retained for backwards compatibility.

3.3.2.9   International Fuel Tax Agreement (IFTA) View (Q109)

View Type: Update and Retrieval
Update Key: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID
                      (null permitted)
Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID
                      (null permitted)
        or
                      ICC_Number

The IFTA view contains the information necessary to update IFTA credentials information in the carrier snapshot.

3.3.2.10 International Registration Plan (IRP) View (Q111)

View Type: Update and Retrieval

Update Key: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID (null permitted)

Retrieval Criteria: Carrier_Id_Number + Issuing_Authority (null permitted) + Terminal_ID (null permitted)

        or

        ICC_Number

In accordance with CRF 1308, the IRP view contains the information necessary to update the IRP credentials information in the carrier snapshot.

3.3.3 Vehicle Views

The following vehicle snapshot views are defined: Full, IRP with Tag, IRP without Tag, Inspection, Roadside, and E-screening Enrollment.

3.3.3.1   Full View (Q303)

View Type: Retrieval

Retrieval Criteria: VIN

        or

        License_Plate_Number + IRP_Base_State

The full view includes all SAFER snapshot data pertaining to the vehicle.

3.3.3.2   International Registration Plan (IRP) With TagId View (Q304)

View Type: Update and Retrieval

Update Key: VIN

Retrieval Criteria: VIN

        or

        License_Plate_Number + IRP_Base_State

The IRP view is intended to facilitate the update of snapshots with registration information equivalent to what is carried in the vehicle now.

3.3.3.3   Inspection View (Q302)

View Type: Update and Retrieval

Update Key: License_Plate_Number + IRP_Base_State

Retrieval Criteria: VIN

        or

        License_Plate_Number + IRP_Base_State

The inspection view contains information provided by an inspector at the roadside. It includes the identification and safety information from an ASPEN inspection report that is used to update SAFER and CVIEW. This information provides guidance to the inspectors about past problem areas that should be reviewed in future inspections.

3.3.3.4   Roadside (ROC) View (Q301)

View Type: Retrieval

Retrieval Criteria: VIN

or

License_Plate_Number + IRP_Base_State

This view is intended to support roadside operations, including electronic screening, providing information to the roadside official once a vehicle has been pulled over, and providing information for safety inspections.

3.3.3.5 E-Screening Enrollment View (Q305)

View Type: Update and Retrieval
Update Key: VIN
Retrieval Criteria: VIN
                    or
                    License_Plate_Number + IRP_Base_State

The E-Screening Enrollment view contains the information necessary to register a carrier's vehicles in multiple screening programs and to permit screening by transponder ID across boundaries of jurisdictions and screening programs.

3.3.3.6 International Registration System (IRP) Without TagID View (Q306)

View Type: Update and Retrieval
Update Key: VIN
Retrieval Criteria: VIN
                    or
                    License_Plate_Number + IRP_Base_State

The IRP view is intended to facilitate the update of snapshots with registration information equivalent to what is carried in the vehicle now. This view differs from view Q304 in that it does not include transponder ID.

4   How Snapshots are Maintained and Accessed

4.1   SAFER/CVIEW Snapshots Are Updated Proactively

Updating snapshots proactively means that when any information in the snapshot changes, the SAFER/CVIEW systems are informed of the change. The new information is inserted in place of the old snapshot segment(s) it replaces, and the snapshot is re-distributed according to each user's subscription criteria. This approach will reduce the number of queries against legacy systems for information contained in the snapshots.

To update snapshot segments, source systems should use common primary identifiers so that different segments can be matched to the correct carrier or vehicle. Please see reference 2 for more information on identifiers.

The concepts and approaches listed below support the proactive updating of snapshots:

- **The authoritative source is responsible for keeping the data in snapshots up-to-date.**
  There are several information systems associated with each carrier, vehicle, and driver. The most practical way for maintaining accurate information in the snapshots is for the source systems of record to send updates to the snapshot assemblers (SAFER and CVIEW).

- **Snapshot data authoritative source systems will send segment updates as "complete replacements" (EDI operation is named "replace")**
  A segment update is a complete replacement. The snapshot segment update will contain all of the data the source system normally provides to the snapshots. All values within the view will be used to replace the data in the snapshot. For instance, if the original snapshot contained non-null data, and the segment update sent as a complete replacement contained nulls, the nulls would over-write the non-null data.

  Selecting a defined view identifies data included in any snapshot segment update. Since complete replacement is done, all data included in a view must be supplied. If there isn't a view to meet the needs of an authoritative source system, a new view can be requested through the CVISN ACCB. Authoritative sources can send replacement data in the same format as that used for the initial population of the snapshot databases. Only one interface implementation is required, for both the legacy systems, and for SAFER and CVIEW.

- **The source systems will not normally update all snapshots by completely replacing the database, but, rather, will update only those snapshots that have changed**.
  Transfers of large quantities of snapshot segments from authoritative sources may be used initially to maintain the snapshot database until legacy systems are modified to support sending change updates proactively. Limiting the transmission of information from the legacy systems to "changes only" minimizes the amount of network traffic associated with maintaining the snapshots.

- **The changed snapshot data will be provided to SAFER/CVIEW proactively by the source system shortly after the change occurs.**
  Legacy system implementations will send snapshot updates proactively upon change, without prompting from SAFER/CVIEW.

4.2 Snapshot Exchanges Between SAFER and CVIEW

The SAFER system has vehicle and carrier snapshot subscriptions set up on it that include the vehicles and carriers requested by a state CVIEW system. When SAFER receives and processes a snapshot segment update, it triggers the subscription fulfillment for a particular state's CVIEW system if that CVIEW's subscription criteria included the vehicle or carrier for which the update was received. The updated snapshot view is sent to the subscribing CVIEW. The CVIEW system updates its database with the newly obtained vehicle or carrier snapshot information.

Similarly, SAFER is a subscriber to each state's CVIEW and using defined views SAFER receives credentials-related snapshot segments for interstate carriers and vehicles based in that state.

4.3 Accessing Snapshots

This section describes the current methods and criteria for requesting snapshots using SAFER and CVIEW. Additional criteria to be used in requesting snapshots will be added as the systems evolve.

- **SAFER/CVIEW users can subscribe to receive snapshot updates proactively upon change, based on criteria defined by the subscriber.**
  A subscription may be established that will send snapshot updates for specific entities when specific changes occur. A carrier snapshot subscription may be based on the following criteria:

    − Matching a list of up to 100 USDOT Numbers
    − Matching a list of up to 100 ICC Numbers
    − State where the carrier is domiciled
    − All carriers

  Any (or all) fields may be specified to trigger an update when a change occurs, and the type of change may be specified so that a snapshot is only sent when the change is of significance to the user. For example, a roadside site in Kentucky may choose to receive snapshots for all carriers based in Kentucky, plus those based in Tennessee, Virginia, Ohio, Indiana, Missouri, Illinois, North Carolina, and West Virginia.

A vehicle snapshot subscription may be based on the following criteria:

- − IRP Base State
- − Jurisdiction state (Jurisdictions in which the vehicle is registered)
- − All Vehicles

Any (or all) fields may be specified to trigger an update when a change occurs, and the type of change may be specified so that a snapshot is only sent when the change is of significance to the user. For example, a roadside site in Kentucky may choose to receive snapshots for all vehicles based in Kentucky for IRP, plus those based in Tennessee, Virginia, Ohio, Indiana, Missouri, Illinois, North Carolina, and West Virginia.

SAFER Subscriptions must be set up and maintained manually on a user's behalf by the SAFER service provider. Jurisdictions operating CVIEW systems must set up and maintain subscriptions manually on a user's behalf. Users must contact SAFER or CVIEW system operators directly to have subscription criteria manually keyed into the systems' data mailbox configuration. The subscriber may update the criteria based on experience so that more or fewer updates are sent to the subscribing system automatically.

- **Users can also request a new snapshot via a query that supplies enough identity information for SAFER/CVIEW to find the snapshot.**
  Identifiers for carrier, vehicle, and driver (future) are necessary to be able to locate the desired snapshot.

  Requests formatted in ANSI ASC X12 EDI TS 285 format, using one of the standard identifiers will be processed by SAFER/CVIEW, and the requested snapshot is returned within seconds of the request. The design goal for a query response for a single record is ten seconds or less 90% of the time; this goal does not account for dial-up time, if that communications mode is selected.

  In SAFER/CVIEW version 2, carrier snapshots can be requested using the following options:
      US DOT Number (Primary Carrier ID for Interstate Carriers)

  In SAFER/CVIEW version 2, vehicle snapshots can be requested using the following options:
      VIN
      Jurisdiction and License Plate

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5   References

1.   SAFER Interface Control Document, Draft Version POR-99-7129 D1.0, May 1999.

2.   Commercial Vehicle Information Systems and Networks (CVISN) Recommendations for Primary Identifiers, SSD/PL-99-0388, published July 13, 1999.

3.   JHU/APL, EDI Implementation Guide for Commercial Vehicle Safety and Credentials Information Exchange (Transaction Set 285), POR-96-6995 V1.0, dated March 2001.

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Safety and Fitness Electronic Records (SAFER) System
and
Commercial Vehicle Information Exchange Window (CVIEW)

Carrier, Vehicle, and Driver Snapshots
Baseline Version

Appendix A.

Detailed Snapshot Contents

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Appendix A. Detailed Snapshot Contents

There are currently three major builds of the SAFER and CVIEW System. They are Version 1.5, Version 1.6, and Version 2.

The following tables give a detailed description of the carrier and vehicle snapshots. The tables reflect current status as of Version 2 of SAFER/CVIEW. The fields are grouped together according to the type of data they represent, for instance, all carrier safety ratings may be found in one section. For each field these columns are provided:

- Data description,
- The SAFER database element name including a table name,
- EDI Implementation Guide (IG) data item name,
- CRF reference,
- Type, length and precision of the data element
- Comments that may aid in understanding the field.

Repeating fields in this table are indicated by noting the table within which they are stored. Comments provide additional information.

For information about how the snapshot data are transmitted using TS 285, see Reference 3.

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Appendix A: Carrier Snapshot

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Carrier ID Section					
Primary Carrier ID					
Carrier Specific ID: USDOT	Carrier.CARRIER_ID_NUMBER	Carrier ID Number - DOT	548	VARCHAR2(12)	Carrier-Specific Identifier corresponding to the ID type inter or intrastate (alphanumeric); if carrier is interstate, must be USDOT number; if carrier is intrastate and has a USDOT number, must be USDOT number; for state-specific IDs, the Carrier-Specific Identifier may include a prefix to clarify the agency/source of the identifier.
Carrier Specific ID: State Specific	Carrier.STATE_CARRIER_ID	Carrier ID Number - State	548	VARCHAR2(12)	Required for an Intrastate Carrier. Carrier's Intrastate identification number.
Jurisdiction Code	Carrier.ISSUING_AUTHORITY	Carrier ID Number - Issuing Jurisdiction	548	CHAR(4)	Required for an Intrastate Carrier. Jurisdiction Code, if carrier is intrastate (alphanumeric); 2 - character country code, 2-character subdivision code; the allowable country and subdivision codes are defined in the FMCSA Code Directory.
Carrier Terminal ID	Carrier.TERMINAL_ID	Carrier ID Number - Terminal ID	548	CHAR(4)	Carrier Terminal ID designated by carrier (alphanumeric)
DUNS Number	Carrier.DUNS_NUMBER	Carrier ID Number - DUNS		CHAR(9)	Dunn & Bradstreet identification number belonging to carrier.
Tax ID Type	Carrier.TAX_ID_TYPE	Tax ID Type		CHAR(1)	The SSN and TIN are mutually exclusive. S = SSN; E = Employer ID (MCMIS & SAFER)
Tax Number	Carrier.TAX_ID_NUMBER	Tax ID Number	1059	NUMBER (22) Precision 9	The SSN and TIN are mutually exclusive. S = SSN; E = Employer ID (MCMIS & SAFER), only 4 digits of SSN are carried
ID Number: ICC Number 1	Carrier.ICC_NUMBER_1	Carrier ID Number: ICC Number 1		NUMBER (22) Precision 6	Federally assigned US ICC identification number (ICC docket number)
ID Number: ICC Number 2	Carrier.ICC_NUMBER_2	Carrier ID Number: ICC Number 2		NUMBER (22) Precision 6	Federally assigned US ICC identification number (ICC docket number)
ID Number: ICC Number 3	Carrier.ICC_NUMBER_3	Carrier ID Number: ICC Number 3		NUMBER (22) Precision 6	Federally assigned US ICC identification number (ICC docket number)
OIC Number	Carrier.OIC_NUMBER	FMCSA OIC	270 376	CHAR(2)	Code number of officer in charge
Date Carrier Added	Carrier.DATE_ADDED	Date DOT Assigned		DATE(7)	Date Carrier added to MCMIS

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Date of MCMIS file	Carrier.FILE_CREATE_DATE	MCMIS File Create Date		DATE(7)	The date on which MCMIS created the snapshot updates.
Legal Name	Carrier.CARRIER_NAME	Carrier Name Legal		VARCHAR2(55)	May include organization name or first, middle and last name of a person
DBA Name	Carrier.DBA_NAME	Carrier Name DBA		VARCHAR2(55)	Doing Business As Name (if different from Legal Name)
Alphabetizer: Primary	Carrier.NAME_ALPHABETIZER	Carrier Name Legal - Alphabetizer Code		VARCHAR2(17)	Index key for search
Alphabetizer: Secondary	Carrier.NAME_ALPHABETIZER2	Carrier Name DBA - Alphabetizer Code		VARCHAR2(17)	Index key for search
Region Code	Carrier.REGION_CODE	FMCSA Region Code	270 376	CHAR(2)	Office address: street, city, state, zip, county code (FIPS code within state) ISS-City, Zip, State, Street-only PRISM-City, County, Zip, State, Street-only
Territory Code	Carrier.TERRITORY_CODE	FMCSA Territory Code	270 376	VARCHAR2(2)	Office address: street, city, state, zip, county code (FIPS code within state) ISS-City, Zip, State, Street-only PRISM-City, County, Zip, State, Street-only
Street Address	Carrier.STREET	Carrier Busniess Address - Street	270 376	VARCHAR2(30)	Office address: street, city, state, zip, county code (FIPS code within state) ISS-City, Zip, State, Street-only PRISM-City, County, Zip, State, Street-only
Colonia	Carrier.COLONIA	Carrier Busniess Address - Colonia	270 376	VARCHAR2(25)	Office address: street, city, state, zip, county code (FIPS code within state) ISS-City, Zip, State, Street-only PRISM-City, County, Zip, State, Street-only
City	Carrier.CITY	Carrier Business Address - City	270 376	VARCHAR2(25)	Office address: street, city, state, zip, county code (FIPS code within state) ISS-City, Zip, State, Street-only PRISM-City, County, Zip, State, Street-only
State	Carrier.STATE	Carrier Business Address - State	270 376	CHAR(2)	Office address: street, city, state, zip, county code (FIPS code within state) ISS-City, Zip, State, Street-only PRISM-City, County, Zip, State, Street-only
Zip Code	Carrier.ZIP_CODE	Carrier Business Address - Postal Code	270 376	CHAR(5)	Office address: street, city, state, zip, county code (FIPS code within state) ISS-City, Zip, State, Street-only PRISM-City, County, Zip, State, Street-only
Zip Code Plus 4	Carrier.ZIP_PLUS_4		270 376	CHAR(5)	Office address: street, city, state, zip, county code (FIPS code within state) ISS-City, Zip, State, Street-only PRISM-City, County, Zip, State, Street-only
County Code	Carrier.COUNTY_CODE	Carrier Business Address - County	270 376	NUMBER(22) Precision 3	Office address: street, city, state, zip, county code (FIPS code within state) ISS-City, Zip, State, Street-only PRISM-City, County, Zip, State, Street-only

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Country	Carrier.COUNTRY	Carrier Business Address - Country	270 376	CHAR(1)	Office address: country code
Mailing Address	Carrier.MAIL_STREET	Carrier Mailing Address - Street	376	VARCHAR2(30)	If different from Street Address
Mailing Address	Carrier.MAIL_CITY	Carrier Mailing Address - City	376	VARCHAR2(25)	If different from Street Address - City
Mailing Address	Carrier.MAIL_STATE	Carrier Mailing Address - State	376	CHAR(2)	If different from Street Address - State
Mailing Address	Carrier.MAIL_ZIP_CODE	Carrier Mailing Address - Postal Code	376	CHAR(5)	If different from Street Address – Postal Code
Mailing Address	Carrier.MAIL_ZIP_PLUS_4		376	CHAR(5)	If different from Street Address
Mailing Address	Carrier.MAIL_COUNTY_CODE	Carrier Mailing Address - County	376	NUMBER(22) Precision 3	If different from Street Address - County
Mailing Address	Carrier.MAIL_COLONIA	Carrier Mailing Address - Colonia	376	VARCHAR2(25)	If different from Street Address - Colonia
Communication Numbers	Carrier.EMAIL_ADDRESS	Carrier Business Address - Email	270 376	VARCHAR2(80)	Phone, email, FAX, etc. SAFER only contains the main voice phone number supplied by MCMIS
Communication Numbers	Carrier.TELEPHONE_AREA_CODE		270 376	CHAR(3)	Phone, email, FAX, etc. SAFER only contains the main voice phone number supplied by MCMIS
Communication Numbers	Carrier.TELEPHONE_NUMBER	Carrier Business Address - Phone	270 376	CHAR(7)	Phone, email, FAX, etc. SAFER only contains the main voice phone number supplied by MCMIS
Communication Numbers	Carrier.FAX_AREA_CODE		270 376	CHAR(3)	Phone, email, FAX, etc. SAFER only contains the main voice phone number supplied by MCMIS
Communication Numbers	Carrier.FAX_NUMBER	Carrier Business Address - FAX	270 376	VARCHAR2(13)	Phone, email, FAX, etc. SAFER only contains the main voice phone number supplied by MCMIS
Carrier & Shipper Characterization					
Classifications	Carrier.ENTITY_TYPE	Entity Type		CHAR(1)	Carrier, Shipper, Registrant
MCMIS Status	Carrier.MCMIS_STATUS	MCMIS Status		CHAR(1)	Active/inactive
MCMIS Status Date	Carrier.MCMIS_STATUS_DATE	MCMIS Status Date		DATE(7)	Date carrier status updated at MCMIS
MCMIS File Create Date	Carrier.MCMIS_TRANSACTION_DATE		270	DATE(7)	
Date of Last Update	Carrier.LAST_UPDATE_DATE	Last Update Date		DATE(7)	Date carrier updated at MCMIS

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Last Update User	Carrier.LAST_UPDATE_USERID	Last Update User ID		CHAR(8)	Staff who updated carrier at MCMIS
Carrier Types:					
Interstate	Carrier.CARRIER_INTERSTATE	Interstate Carrier		CHAR(1)	Interstate Operations
Interstate (HazMat)	Carrier.CARRIER_INTERSTATE_HM	Interstate HazMat Carrier		CHAR(1)	Obsolete
Intrastate (Non-HazMat)	Carrier.CARRIER_INTRASTATE_ NHM	Intrastate Non-HazMat Carrier	270	CHAR(1)	Intrastate non-HazMat operations
Interstate (Non-HazMat)	Carrier.CARRIER_INTERSTATE_ NHM	Interstate Non-HazMat Carrier		CHAR(1)	Obsolete
Intrastate (HazMat)	Carrier.CARRIER_INTRASTATE_ HM	Intrastate HazMat Carrier		CHAR(1)	Intrastate HazMat Operations
Placarded (HazMat)	Carrier.CARRIER_HAZMAT_ PLACARDED	Carrier Placarded Indicator	270	NUMBER(22) Precision1	Placarded
Shipper Types:					
Interstate	Carrier.SHIPPER_INTERSTATE	Interstate Shipper		CHAR(1)	Obsolete
Interstate (HazMat)	Carrier.SHIPPER_INTERSTATE_HM	Interstate HazMat Shipper		CHAR(1)	Shipper Interstate HazMat operations
Intrastate (HazMat)	Carrier.SHIPPER_INTRASTATE_HM	Intrastate HazMat Shipper	270	CHAR(1)	Shipper Intrastate operations
HAZMAT_STATUS	Carrier.HAZMAT_STATUS		270	CHAR(3)	
Operations	Carrier_class.CLASS_CODE	Carrier Operation		VARCHAR2(3)	Authorized for hire, exempt for hire, interstate, intrastate, HazMat, bus, etc.
Operations	Carrier_class.CLASS_OTHER_DESC	Carrier Other Classification		VARCHAR2(10)	
Cargo Classifications	Carrier_Cargo.CARGO_OTHER_ DESC	Cargo Non HazMat Other Description		VARCHAR2(16)	Cargo hauled by carrier. From MCMIS registration form. NOT related to ICC operating authority. See operating authority below.
Cargo Classifications	Carrier_Cargo.CARGO_CODE	Cargo Non-HazMat		VARCHAR2(3)	Cargo hauled by carrier. From MCMIS registration form. NOT related to ICC operating authority. See operating authority below.

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
HAZMATs Carried/Shipped/Cargo (HazMat Carried, Shipped, and Form repeat for each Category)	Carrier_HazMat.HAZMAT_CODE	Cargo HazMat	188 323	VARCHAR2(3)	HM carried by inter/intrastate carrier. Code indicates material and packaging (tank; package; both) HazMat codes 30-42 added under CRF 323 for the MCMIS restructuring.
HAZMATs Carried/Shipped/Cargo (HazMat Carried, Shipped, and Form repeat for each Category)	Carrier_HazMat.HAZMAT_CARRIED _SHIPPED	Cargo HazMat Carrier/Shipped	188 323	CHAR(1)	HM carried by inter/intrastate carrier. Code indicates material and packaging (tank; package; both) HazMat codes 30-42 added under CRF 323 for the MCMIS restructuring.
HAZMATs Carried/Shipped/Cargo (HazMat Carried, Shipped, and Form repeat for each Category)	Carrier_HazMat.BULK_NONBULK see Table 3 below	Cargo HazMat Format	188 323	CHAR(1)	HM carried by inter/intrastate carrier. Code indicates material and packaging (tank; package; both) HazMat codes 30-42 added under CRF 323 for the MCMIS restructuring.
Bus	Carrier.BUS	Bus Operator		CHAR(1)	Commercial Bus Operator (Data not currently being provided)
Number of Drivers, Total	Carrier.QUANTITY_DRIVERS	Quantity - Drivers Data		NUMBER(22) Precision 5	Total Number of Drivers
Number of Drivers, Interstate	Carrier.QUANTITY_DRIVERS_ INTERSTATE	Fleet Composition - Driver Type Count	270 376	NUMBER(22) Precision 5	Total Number of Interstate Drivers
Number of Drivers, Intrastate	Carrier.QUANTITY_DRIVER_ INTRASTATE	Fleet Composition - Driver Type Count	270 376	NUMBER(22) Precision 5	Total Number of Intrastate Drivers
Number of Drivers, CDL	Carrier.QUANTITY_DRIVERS_CDL	Fleet Composition - Driver Type Count	270 376	NUMBER(22) Precision 5	Total Number of CDL Drivers
Number of Power Units	Carrier.QUANTITY_POWER_UNITS	Quantity - Power Units Data		NUMBER(22) Precision 7	Total Number of Power Units
Number of Trucks	Carrier.QUANTITY_TRUCKS	Fleet Composition - Equipment Type Count	270 376	NUMBER(22) Precision 6	Total Number of Trucks
Number of Truck Tractors	Carrier.QUANTITY_TRUCK_ TRACTORS	Fleet Composition - Equipment Type Count	270 376	NUMBER(22) Precision 6	Total Number of Truck Tractors
Number of Trailers	Carrier.QUANTITY_TRAILERS	Fleet Composition - Equipment Type Count	270 376	NUMBER(22) Precision 6	Total Number of Trailers
Number of Cargo Tank Trailers Carrying HM	Carrier.QUANTITY_HAZMAT_ TANK_TRAILERS	Fleet Composition - Equipment Type Count	270 376	NUMBER(22) Precision 6	Total Number of Tank Trailers carrying HAZMAT

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Number of Cargo Tank Trucks Carrying HM	Carrier.QUANTITY_HAZMAT_ TANK_TRUCKS	Fleet Composition - Equipment Type Count	270 376	NUMBER(22) Precision 6	Total Number of Tank Trucks carrying HAZMAT
Number of Motor Coaches	Carrier.QUANTITY_MOTOR_ COACHES	Fleet Composition - Equipment Type Count	270 376	NUMBER(22) Precision 6	Total Number of Motor Coaches
Number of School Buses	Carrier.QUANTITY_SCHOOL_ BUSES	Fleet Composition - Equipment Type Count	270 376	NUMBER(22) Precision 6	Total Number of School Buses
Number of Vans	Carrier.QUANTITY_VANS	Fleet Composition - Equipment Type Count	270 376	NUMBER(22) Precision 6	Total Number of Vans
Number of Limousines	Carrier.QUANTITY_LIMOS	Fleet Composition - Equipment Type Count	270 376	NUMBER(22) Precision 6	Total Number of Limousines
Number of Cars	Carrier.QUANTITY_CARS	Fleet Composition - Equipment Type Count	424	NUMBER(22) Precision 6	Total Number of Cars
Carrier MCS 150 Mileage	Carrier.MCS150_MILEAGE		693	NUMBER(22) Precision 10	Carrier MCS 150 Mileage
Carrier MCS 150 Mileage Year	Carrier.MCS150_MILEAGE_YEAR		693	CHAR(4)	Carrier MCS 150 Mileage Year
Carrier Accident Summary for Last 24 Months					
Number fatal accidents - 24 Months	Carrier.SNET_FATAL_ACCIDENTS_ LAST24	Accident Summary SafetyNet Fatal		NUMBER(22) Precision 4	Number of Accidents with at least 1 Fatality. Collected during carrier review. Two year period
Number injury accidents - 24 Months	Carrier.SNET_INJURY_ACCIDENTS _LAST24	Accident Summary SafetyNet Injury		NUMBER(22) Precision 4	Number of Accidents with at least 1 Injury but no Fatalities. Collected during carrier review. Two year period
Number tow away accidents - 24 Months	Carrier.SNET_TOWAWAY_ ACCIDENTS_LAST24	Accident Summary SafetyNet Towaway		NUMBER(22) Precision 4	Collected during carrier review. Two year period
Number other accidents - 24 Months	Carrier.SNET_OTHER_ACCIDENTS_ LAST24	Accident Summary SafetyNet Other		NUMBER(22) Precision 4	Collected during carrier review. Two year period
Number total accidents - 24 Months	Carrier.SNET_TOTAL_ACCIDENTS_ LAST24	Accident Summary Total		NUMBER(22) Precision 4	Collected during carrier review. Two year period
Carrier Inspection Summary for Last 24 Months					
Past Inspections	Carrier.PRIOR_DATE	Inspection/Violation Summary Period Date Start		DATE(7)	24 Month Period prior to date supplied

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Number of Driver Inspections - (Level 1,2,3) - 24 months	Carrier.DRIVER_INSPECTIONS_LAST24	Inspection/Violation Summary Driver Inspections	270 376	NUMBER(22) Precision 5	Total Number of Driver inspections - 24 Month period
Number of OOS Driver Inspections - 24 Months	Carrier.OOS_DRIVER_INSPECTIONS_LAST24	Inspection/Violation Summary OOS Driver	270 376	NUMBER(22) Precision 5	Total OOS Inspections (Driver) - 24 Month period
Number of Vehicle Inspections - (level 1,2,5) - 24 months	Carrier.VEHICLE_INSPECTIONS_LAST24	Inspection/Violation Summary Vehicle Inspections	270 376	NUMBER(22) Precision 5	Total number of vehicle Inspections - 24 Month period
Number of OOS Vehicle Inspections - 24 Months	Carrier.OOS_VEHICLE_INSPECTIONS_LAST24	Inspection/Violation Summary OOS Vehicle	270 376	NUMBER(22) Precision 5	Total OOS Inspections (Vehicle) - 24 Month period
Number of OOS HazMat Inspections - 24 Months	Carrier.OOS_HAZMAT_INSPECTIONS_LAST24	Inspection/Violation Summary OOS HazMat	270 376	NUMBER(22) Precision 5	Total OOS Inspections with HAZMAT Present (Driver or Vehicle) - 24 Month period
Number Inspections HM Present - 24 Months	Carrier.QUANTITY_HAZMAT_PRESENT_LAST24	Inspection/Violation HazMat Present Inspections	270 376	NUMBER(22) Precision 5	Collected during carrier review. Two year period
Total Number of Inspections - 24 Months	Carrier.QUANTITY_INSPECTIONS_LAST24	Inspection/Violation HazMat Present Inspection - Total Inspections	270 376	NUMBER(22) Precision 5	Total number of inspections - 24 Month period
Total Number of OOS Inspections -24 Months	Carrier.OOS_ALL_TYPES_LAST24	Inspection/Violation OOS Inspections	270 376	NUMBER(22) Precision 5	Total OOS Inspections (all) - 24 Month period
Carrier Accident Summary for Last 15 Months					
Number of Fatal Accidents - 15 Months	Carrier.SNET_FATAL_ACCIDENTS_LAST15	Accident Summary SafetyNet Fatal	270 376	NUMBER(22) Precision 4	Number of Accidents with at least 1 Fatality. Collected during carrier review. 15 month period
Number of Injury Accidents - 15 Months	Carrier.SNET_INJURY_ACCIDENTS_LAST15	Accident Summary SafetyNet Injury	270 376	NUMBER(22) Precision 4	Number of Accidents with at least 1 Injury but no Fatalities. Collected during carrier review. 15 month period
Number of Tow Away Accidents - 15 Months	Carrier.SNET_TOWAWAY_ACCIDENTS_LAST15	Accident Summary SafetyNet Tow Away	270 376	NUMBER(22) Precision 4	Collected during carrier review. 15 month period
Number other accidents - 15 Months	Carrier.SNET_OTHER_ACCIDENTS_LAST15	Accident Summary SafetyNet - Other	270 376	NUMBER(22) Precision 4	Collected during carrier review. 15 month period

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Number of Total Accidents - 15 Months	Carrier.SNET_TOTAL_ACCIDENTS_LAST15	Accident Summary Total	270 376	NUMBER(22) Precision 4	Collected during carrier review. 15 month period
Carrier Inspection Summary for Last 15 Months					
Number of Driver Inspections - (level 1,2,3) - 15 months	Carrier.DRIVER_INSPECTIONS_LAST15	Inspection/Violation Summary Driver Inspections	270 376	NUMBER(22) Precision 5	Total Number of Driver inspections - 15 month period
Number of OOS Driver Inspections - 15 Months	Carrier.OOS_DRIVER_INSPECTIONS_LAST15	Inspection/Violation Summary SafetyNet - OOS Driver	270 376	NUMBER(22) Precision 5	Total OOS Inspections (Driver) - 15 month period
Number of Vehicle Inspections - (level 1,2,5) - 15 months	Carrier.VEHICLE_INSPECTIONS_LAST15	Inspection/Violation Summary Vehicle Inspections	270 376	NUMBER(22) Precision 5	Total number of vehicle Inspections - 15 month period
Number of OOS Vehicle Inspections - 15 Months	Carrier.OOS_VEHICLE_INSPECTIONS_LAST15	Inspection/Violation Summary OOS Vehicle	270 376	NUMBER(22) Precision 5	Total OOS Inspections (Vehicle) - 15 month period
Number of OOS HazMat Inspections - 15 Months	Carrier.OOS_HAZMAT_INSPECTIONS_LAST15	Inspection/Violation Summary OOS HazMat	270 376	NUMBER(22) Precision 5	Total OOS Inspections with HAZMAT Present (Driver or Vehicle) - 15 Month period
Number Inspections HM Present - 15 Months	Carrier.QUANTITY_HAZMAT_PRESENT_LAST15	Inspection/Violation Summary HazMat Present Inspections	270 376	NUMBER(22) Precision 5	Collected during carrier review. 15 month period.
Total Number of Inspections - 15 Months	Carrier.QUANTITY_INSPECTIONS_LAST15	Inspection/Violation Summary Total Inspections	270 376	NUMBER(22) Precision 5	Total number of inspections - 15 month period
Total Number of OOS Inspections - 15 Months	Carrier.OOS_ALL_TYPES_LAST15	Inspection/Violation Summary OOS Inspections	270 376	NUMBER(22) Precision 5	Total OOS Inspections (all) - 15 month period
Carrier Accident Summary for Last 30 Months					
Number of Fatal Accidents - 30 Months	Carrier.SNET_FATAL_ACCIDENTS_LAST30	Accident Summary SafetyNet Fatal	270 376	NUMBER(22) Precision 4	Number of Accidents with at least 1 Fatality. Collected during carrier review. 30 month period
Number of Injury Accidents – 30 Months	Carrier.SNET_INJURY_ACCIDENTS_LAST30	Accident Summary SafetyNet Injury	270 376	NUMBER(22) Precision 4	Number of Accidents with at least 1 Injury but no Fatalities. Collected during carrier review. 30 month period
Number of Tow Away Accidents – 30 Months	Carrier.SNET_TOWAWAY_ACCIDENTS_LAST30	Accident Summary SafetyNet Tow Away	270 376	NUMBER(22) Precision 4	Collected during carrier review. 30 month period

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Number other accidents - 30 Months	Carrier.SNET_OTHER_ACCIDENTS_LAST30	Accident Summary SafetyNet Other	270 376	NUMBER(22) Precision 4	Collected during carrier review. 30 month period
Number of Total Accidents - 30 Months	Carrier.SNET_TOTAL_ACCIDENTS_LAST30	Accident Summary Total	270 376	NUMBER(22) Precision 4	Collected during carrier review. 30 month period
Carrier Inspection Summary for Last 30 Months					
Number of Driver Inspections - (level 1,2,3) - 30 months	Carrier.DRIVER_INSPECTIONS_LAST30	Inspection/Violation Summary Driver Inspections	270 376	NUMBER(22) Precision 5	Total Number of Driver inspections - 30 month period
Number of OOS Driver Inspections – 30 Months	Carrier.OOS_DRIVER_INSPECTIONS_LAST30	Inspection/Violation Summary OOS Driver Inspections	270 376	NUMBER(22) Precision 5	Total OOS Inspections (Driver) - 30 month period
Number of Vehicle Inspections - (level 1,2,5) - 30 months	Carrier.VEHICLE_INSPECTIONS_LAST30	Inspection/Violation Summary Vehicle Inspections	270 376	NUMBER(22) Precision 5	Total number of vehicle Inspections - 30 month period
Number of OOS Vehicle Inspections - 30 Months	Carrier.OOS_VEHICLE_INSPECTIONS_LAST30	Inspection/Violation Summary OOS Vehicle	270 376	NUMBER(22) Precision 5	Total OOS Inspections (Vehicle) - 30 month period
Number of OOS HazMat Inspections - 30 Months	Carrier.OOS_HAZMAT_INSPECTIONS_LAST30	Inspection/Violation Summary OOS HazMat	270 376	NUMBER(22) Precision 5	Total OOS Inspections with HAZMAT Present (Driver or Vehicle) - 30 Month period
Number Inspections HM Present – 30 Months	Carrier.QUANTITY_HAZMAT_PRESENT_LAST30	Inspection/Violation Summary HazMat Present Inspections	270 376	NUMBER(22) Precision 5	Collected during carrier review. 30 month period.
Total Number of Inspections – 30 Months	Carrier.QUANTITY_INSPECTIONS_LAST30	Inspection/Violation Summary Total Inspections	270 376	NUMBER(22) Precision 5	Total number of inspections - 30 month period
Total Number of OOS Inspections – 30 Months	Carrier.OOS_ALL_TYPES_LAST30	Inspection/Violation Summary OOS Inspections	270 376	NUMBER(22) Precision 5	Total OOS Inspections (all) - 30 month period
Carrier Safety Ratings					
SCE Score	Carrier.SCE_SCORE			NUMBER(22) Precision 3	Selective Compliance Evaluation (SCE) Score no longer used. Use ISS
SCE Score Date	Carrier.SCE_SCORE_DATE			DATE(7)	Date of Score Computation SCE Score no longer used. Use ISS
MCSIP Level	Carrier.MCSIP_LEVEL	MCSIP Level		Number(22) Precision 2	Motor Carrier Safety Improvement Process. PRISM sanction flag

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
MCSIP Level Date	Carrier.MCSIP_LEVEL_DATE	MCSIP Level Date		DATE(7)	Date of MCSIP status level change
MCSIP Entry Date	Carrier.MCSIP_ENTRY_DATE	MCSIP Entry Date	270 376	DATE(7)	Date of entry into the MCSIP program.
MCSIP Flag	Carrier.MCSIP_FLAG	MCSIP Flag		CHAR(1)	Indicates whether or not carrier is in the MCSIP program. C = In MCSIP.
SafeStat Score	Carrier.SAFESTAT_INDICATOR	SafeStat Score		NUMBER(22) Precision 5	PRISM SAFESTAT score (renamed to "SafeStat Indicator")
SafeStat Score Date	Carrier.SAFESTAT_DATE	SafeStat Date		DATE(7)	Date of Score Computation
SafeStat Accident SEA	Carrier.SAFESTAT_ACCIDENT_SEA	SafeStat Accident SEA	270 376	NUMBER(22) Precision 5	Accident Safety Evaluation Area (SEA). Ranking of 0-100 (100 is worst) relative to other carriers. Contributes to SafeStat score.
SafeStat Driver SEA	Carrier.SAFESTAT_DRIVER_SEA	SafeStat Driver SEA	270 376	NUMBER(22) Precision 5	Driver Safety Evaluation Area (SEA). Ranking of 0-100 (100 is worst) relative to other carriers. Contributes to SafeStat score.
SafeStat Vehicle SEA	Carrier.SAFESTAT_VEHICLE_SEA	SafeStat Vehicle SEA	270 376	NUMBER(22) Precision 5	Vehicle Safety Evaluation Area (SEA). Ranking of 0-100 (100 is worst) relative to other carriers. Contributes to SafeStat score.
SafeStat Management SEA	Carrier.SAFESTAT_MANAGEMENT _SEA	SafeStat Management SEA	270 376	NUMBER(22) Precision 5	Safety Management Safety Evaluation Area (SEA). Ranking of 0-100 (100 is worst) relative to other carriers. Contributes to SafeStat score.
SafeStat Category	Carrier.SAFESTAT_CATEGORY	SafeStat Category	270 376	CHAR(1)	Category A-I (A is worst) for carriers based on the four SEA rankings. See "Motor Carrier Safety Fitness Determination: An Improved Process", dated December 1996, by the John A. Volpe National Transportation Systems Center.
SafeStat Letters	Carrier.SAFESTAT_LETTERS	SafeStat Number of Letters	270 376	NUMBER(22) Precision 2	The total quantity of advisory letters sent to carrier
SafeStat Letter Date	Carrier.SAFESTAT_LETTER_DATE	SafeStat Last Letter Date	270 376	DATE(7)	Date last letter sent
SafeStat Run Indicator	Carrier.SAFESTAT_RUN_ INDICATOR	SafeStat Run Indicator	270 376	CHAR(1)	Run Type of SafeStat run I = ID Run M = Monitoring Run
ISS Indicator	Carrier.ISS_INDICATOR	ISS Indicator		CHAR(1)	Inspection Selection System - Values include: S = based on SAFESTAT values I = insufficient information available
ISS Score	Carrier.ISS_SCORE	ISS Score		NUMBER(22) Precision 3	Inspection Selection System - Value from 1-100 with 100 meaning inspect

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
ISS Score Date	Carrier.ISS_SCORE_DATE	ISS Score Date		DATE(7)	Inspection Selection System - Date ISS score computed
Carrier Credential Data –Federal Operating Authority					**Obsolete, replaced by L&I**
Federal Operating Authority					(Obsolete; replaced by L&L)
Status	Carrier.FEDERAL_OP_AUTH_STATUS	Federal Operating Authority Status	275	CHAR(3)	Current Status of Op Authority (Obsolete, replaced by L&I)
ID Number	Carrier.FEDERAL_OP_AUTH_ID	Federal Operating Authority ID	275	VARCHAR2(22)	ID number used for Op Authority (Obsolete, replaced by L&I)
Date Issued	Carrier.FEDERAL_OP_AUTH_ISSUED_DATE	Federal Operating Authority Date Issued	275	DATE(7)	Issue Date (Obsolete, replaced by L&I)
Renew Date	Carrier.FEDERAL_OP_AUTH_RENEW_DATE	Federal Operating Authority Date Renew	275	DATE(7)	Renewal Date (Obsolete, replaced by L&I)
Base Jurisdiction (State)	Carrier.FEDERAL_OP_AUTH_BASE_STATE	Federal Operating Authority Base State	275	CHAR(2)	Base State for Op Authority (Obsolete, replaced by L&I)
Granting Agency	Carrier.FEDERAL_OP_AUTH_AGENCY	Federal Operating Authority Agency	275	VARCHAR2(35)	Granting Agency (Obsolete, replaced by L&I)
Carrier Credential Data – Federal Operating Authority Jurisdictions					
Key for Carrier_Fed_Op_Auth_Jurisd	Carrier_Fed_OP_Auth_Jurisd.FEDERAL_OP_AUTH_ID		275	VARCHAR2(22)	ID number used for Op Authority (Obsolete, replaced by L&I)
Jurisdiction (For Each Authorized)	Carrier_Fed_OP_Auth_Jurisd.FEDERAL_OP_AUTH_JURISDICTION	Federal Operating Authority Jurisdiction	275	CHAR(4)	Valid Jurisdictions Granted Authority 48 states granted automatically. (Obsolete, replaced by L&I)
Carrier Credential Data - State Operating Authority					
Status	Carrier_State_Op_Auth.STATE_OP_AUTH_STATUS	State Operating Authority Status		CHAR(3)	Status of Carrier
ID Number	Carrier_State_Op_Auth.STATE_OP_AUTH_ID	State Operating Authority ID		VARCHAR2(22)	ID number associated with Authority.
Date Issued	Carrier_State_Op_Auth.STATE_OP_AUTH_ISSUED_DATE	State Operating Authority Date Issued		DATE(7)	Valid Issue Date
Renew Date	Carrier_State_Op_Auth.STATE_OP_AUTH_RENEW_DATE	State Operating Authority Date Renew		DATE(7)	Valid renewal date

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Jurisdiction (State)	Carrier_State_Op_Auth.ISSUING_STATE	State Operating Authority Jurisdiction		CHAR(4)	US + Issuing State
Granting Agency	Carrier_State_Op_Auth.STATE_OP_AUTH_AGENCY	State Operating Authority Agency		VARCHAR2(35)	Granting agency within state
Carrier Credential Data - Permits					
Status	Carrier_Permit.PERMIT_STATUS	Permit HazMat Status, Permit OS/OW Status		CHAR(3)	Current status of permit
Type	Carrier_Permit.PERMIT_TYPE	Permit HazMat Data Permit OS/OW Data		CHAR(3)	Permit type (oversize, etc.)
ID Number	Carrier_Permit.PERMIT_ ID_ NUMBER	Permit HazMat ID Number, Permit OS/OW ID Number		VARCHAR2(22)	ID Number used for Permit
Start Date	Carrier_Permit.PERMIT_START_DATE	Permit HazMat Date Start, Permit OS/OW Date Start		DATE(7)	Valid start date
Expiration Date	Carrier_Permit.PERMIT_EXPIRE_DATE	Permit HazMat Date Expire, Permit OS/OW Date Expire		DATE(7)	Valid end date
ID Number	Carrier_Permit_Jurisdiction.PERMIT_ID_ NUMBER			VARCHAR2(22)	ID Number used for Permit
Permit Jurisdiction	Carrier_Permit_Jurisdiction.PERMIT_JURISDICTION	Permit OS/OW Jurisdiction Permit HazMat Jurisdiction		CHAR(4)	Jurisdiction for which permit applies
Permit Weight	Carrier_Permit_Jurisdiction.PERMIT_WEIGHT_CARRIED			NUMBER(22) Precision 8	Jurisdiction for which permit applies Permitted weight in jurisdiction
Carrier Credential Data - Vehicle Registration					
IRP account number	Carrier.IRP_ACCOUNT_NUMBER	IRP Account Number	484	VARCHAR2(15)	IRP account number associated with carrier
IRP base jurisdiction	Carrier.IRP_BASE_STATE	IRP Base State	484	CHAR(2)	IRP base state

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
IRP Check Flag	Carrier.IRP_STATUS_FLAG	IRP Check Flag	1046 484	CHAR(3)	· "S26" to indicate a check with the appropriate authoritative source is needed · "S27" to indicate no check with the appropriate authoritative source is needed · "U" to indicate no information is available'
IRP Check Flag Update Date	Carrier.IRP_STATUS_DATE	IRP Date Check Flag	484	DATE(7)	Date status determined
Carrier Credential Data - HAZMAT Registration					
HAZMAT registration status	Carrier.HAZMAT_REG_STATUS	HazMat Registration Status		CHAR(3)	Current HM status
HAZMAT status date	Carrier.HAZMAT_REG_STATUS_DATE	HazMat Registration Status Date		DATE(7)	Date status determined
HAZMAT Registration Number	Carrier.HAZMAT_REG_NUMBER	HazMat Registration Number		VARCHAR2(10)	ID# associated with HM authority
Date HM registration	Carrier.HAZMAT_REG_DATE	HazMat Registration Date		DATE(7)	Registration date
Granting jurisdiction	Carrier.HAZMAT_REG_BASE_STATE	HazMat Registration Base State		CHAR(2)	Jurisdiction issuing authority
HAZMAT Passenger Rating	Carrier.HAZMAT_PASSENGER_SCORE	Hazardous Material or Passenger Score	270	NUMBER(22) Precision 4	HAZMAT Passenger Rating
HAZMAT Passenger Rating Date	Carrier.HAZMAT_PASSENGER_SCORE _DATE	Hazardous Material or Passenger Score Date	270	DATE(7)	HAZMAT Passenger Rating Date
Carrier Credential Data - Insurance:					
Insurance Type	Carrier.INSURANCE_TYPE		275	CHAR(3)	This field becomes obsolete with the new LI_ records. It is meaningless as a single "type" per carrier. The comparable field is provided as a repeating field for each insurance type as LI_INSURANCE_TYPE.
Coverage Level	Carrier.INSURANCE_HAZMAT_LEVEL		275	CHAR(1)	There is no source for INSURANCE_HAZMAT_LEVEL.
Coverage Level	Carrier.INSURANCE_COVERAGE_LEVEL		275	VARCHAR2(50)	There is no source for INSURANCE_COVERAGE_LEVEL.
Fuel Use Permit Flag	Carrier.FUEL_USE_PERMIT_FLAG			CHAR(1)	There is no source for Fuel Use Permit Flag
Fuel Use Permit Date	Carrier.FUEL_USE_PERMIT_DATE			DATE(7)	There is no source for Fuel Use Permit Date

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Insurance Primary Record					
ICC Number	Carrier_Li_primary.DOCKET_NUMBER	ICC Number	626 275	NUMBER(22) Precision 6	Federally assigned US ICC identification number (ICC docket number)
ICC Number	Carrier_Li_primary.PREFIX	ICC Number Prefix	626 275	CHAR(2)	Federally assigned US ICC identification number (ICC docket number)
Insurance Entity Name	Carrier_Li_primary.INSURANCE_ENTITY_NAME	Carrier License and Insurance Legal Name	626 275	VARCHAR2(120)	Data provided in L&I system file. Need to get Volpe to provide this as a separate data element.
Insurance DBA Name	Carrier_Li_primary.INSURANCE_DBA_NAME	Carrier License and Insurance DBA Name	626 275	VARCHAR2(60)	Data provided in L&I system file. Need to get Volpe to provide this as a separate data element.
Mexican Territory	Carrier_Li_primary.MEXICAN_TERRITORY	Mexican Territory	626 275	CHAR(2)	Data as provided in L&I system file.
Common Authority Status	Carrier_Li_primary.COMMON_AUTHORITY_STATUS	Authority Status - Common	626 275	CHAR(1)	Data as provided in L&I system file.
Contract Authority Status	Carrier_Li_primary.CONTRACT_AUTHORITY_STATUS	Authority Status - Contract	626 275	CHAR(1)	Data as provided in L&I system file.
Broker Authority Status	Carrier_Li_primary.BROKER_AUTHORITY_STATUS	Authority Status - Broker	626 275	CHAR(1)	Data as provided in L&I system file.
Liability Insurance Amount	Carrier_Li_primary.LIABILITY_INSURANCE_AMOUNT	Insurance Amount - Liability	626 275	NUMBER(22) Precision 10	Dollar amount of Liability Insurance = LI_LIABILITY_INSURANCE_REQD as received from L&I file. Added for symmetry with other insurance types to make data element a boolean so data element will be more general
Liability Insurance Required	Carrier_Li_primary.LIABILITY_INSURANCE_REQD	Insurance Required -Liability	626 275	CHAR(1)	Converted from value in L&I system file. If incoming value > 0, then = Logical "TRUE", otherwise Logical "FALSE" (use same representation as Cargo & Bond Fund "Required" data elements)
Liability Insurance Status	Carrier_Li_primary.LIABILITY_INSURANCE_STATUS	Insurance Status - Liability	626 275	CHAR(1)	Data as provided in L&I system file.
Cargo Insurance Required	Carrier_Li_primary.CARGO_INSURANCE_REQD	Insurance Required - Cargo	626 275	CHAR(1)	Data as provided in L&I system file.
Cargo Insurance Status	Carrier_Li_primary.CARGO_INSURANCE_STATUS	Insurance Status - Cargo	626 275	CHAR(1)	Data as provided in L&I system file.

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Bond/Trust Fund Required	Carrier_Li_primary.BOND_TRUST_FUND_REQD	Insurance Required - Bond/Trust Fund	626 275	CHAR(1)	Data as provided in L&I system file.
Bond/Trust Fund Status	Carrier_Li_primary.BOND_TRUST_FUND_STATUS	Insurance Status - Bond/Trust Fund	626 275	CHAR(1)	Data as provided in L&I system file.
Liability Summary Status	Carrier_Li_primary.LIABILITY_INSURANCE_SUMMARY	NA	626 275	CHAR(6)	Calculated field requested by FSG for ASPEN = "na" if LI_LIABILITY_INSURANCE_REQD = "N", otherwise = LI_LIABILITY_INSURANCE_STATUS
Cargo Summary	Carrier_Li_primary.CARGO_INSURANCE_SUMMARY	NA	626 275	CHAR(6)	Calculated field requested by FSG or ASPEN = "na" if LI_CARGO_INSURANCE_REQD = "N", otherwise = LI_CARGO_INSURANCE_STATUS
Bond/Trust Summary	Carrier_Li_primary.BOND_TRUST_FUND_SUMMARY	NA	626 275	CHAR(6)	Calculated field requested by FSG or ASPEN = "na" if LI_BOND_TRUST_FUND_REQD = "N", otherwise = LI_BOND_TRUST_FUND_STATUS
Effective Date	Carrier_Li_primary.DATA_EFFECTIVE_DATE		626 275	DATE(7)	
Insurance Detail Record					
ICC Number	Carrier_Li_Detail.DOCKET_NUMBER	ICC Number	626 275	NUMBER(22) Precision 6	Federally assigned US ICC identification number (ICC docket number)
ICC Number	Carrier_Li_Detail.PREFIX	ICC Number Prefix	626 275	CHAR(2)	Federally assigned US ICC identification number (ICC docket number)
Insurance Type	Carrier_Li_Detail.INSURANCE_TYPE	Insurance Data	626 275	CHAR(1)	Type of coverage (Appendix B, MSC-90)
Insurer	Carrier_Li_Detail.INSURER	Insurer	626 275	VARCHAR2(45)	Data as provided in L&I system file.
Policy Number	Carrier_Li_Detail.POLICY_NUMBER	Insurance Policy Number	626 275	VARCHAR2(25)	Data as provided in L&I system file.
Effective Date	Carrier_Li_Detail.POLICY_EFFECTIVE_DATE	Insurance Effective Date	626 275	DATE(7)	Data provided in L&I system file.
Minimum Coverage Amount	Carrier_Li_Detail.COVERAGE_LOW_AMOUNT	Insurance Coverage Amount - Maximum	626 275	NUMBER(22) Precision 10	Amount of minimum liability coverage

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Maximum Coverage Amount	Carrier_Li_Detail.COVERAGE_HIGH _AMOUNT	Insurance Coverage Amount - Minimum	626 275	Number(22) Precision 10	Amount of maximum liability coverage
Cancellation Effective Date	Carrier_Li_Detail.CANCELLATION_E FFECTIVE_DATE	Insurance Cancellation Effective Date	626 275	DATE(7)	
Effective Date	Carrier_Li_Detail.DATA_EFFECTIVE _DATE		626 275	DATE(7)	
Carrier Credential Data - Fuel Tax					
IFTA account number	Carrier.IFTA_REG_LICENSE_ NUMBER	IFTA Account Number		VARCHAR2(18)	IFTA account # for Carrier
IFTA base jurisdiction	Carrier.IFTA_REG_BASE_STATE	IFTA Base State		CHAR(2)	State which carrier registers IFTA
IFTA effective date	Carrier.IFTA_REG_ISSUE_DATE	IFTA Date Issued		DATE(7)	Effective Issue Date
IFTA expiration date	Carrier.IFTA_REG_EXPIRE_DATE	IFTA Date Expired		DATE(7)	Termination Date
IFTA Check Flag	Carrier.IFTA_REG_STATUS	IFTA Check Flag	353	CHAR(3)	· "S26" to indicate a check with the appropriate authoritative source is needed. · "S27" to indicate no check with the appropriate authoritative source is needed. · "U" to indicate no information is available'
IFTA Check Flag Update Date	Carrier.IFTA_REG_STATUS_DATE	IFTA Check Flag Date		DATE(7)	Date status was determined
Carrier Violation Summary					
Number of vehicle violations (by category) over period	Carrier.VIOLATION_BRAKES	Inspection/Violation Summary Brakes		NUMBER(22) Precision 6	Vehicle Inspection Violation Counts: As Named SAFER Violation Types: Brakes, Lights, Wheels/Tires, Steering
Number of vehicle violations (by category) over period	Carrier.VIOLATION_LIGHTS	Inspection/Violation Summary Lights		NUMBER(22) Precision 6	Vehicle Inspection Violation Counts: As Named SAFER Violation Types: Brakes, Lights, Wheels/Tires, Steering
Number of vehicle violations (by category) over period	Carrier.VIOLATION_WHEELS	Inspection/Violation Summary Wheels		NUMBER(22) Precision 6	Vehicle Inspection Violation Counts: As Named SAFER Violation Types: Brakes, Lights, Wheels/Tires, Steering
Number of vehicle violations (by category) over period	Carrier.VIOLATION_STEERING	Inspection/Violation Summary Steering Mechanism		NUMBER(22) Precision 6	Vehicle Inspection Violation Counts: As Named SAFER Violation Types: Brakes, Lights, Wheels/Tires, Steering
Number of driver violations (by category) over period	Carrier.VIOLATION_MEDICAL_ CERTIFICATE	Inspection/Violation Summary Violation Medical Certificate		NUMBER(22) Precision 6	Driver Inspection Violation Counts: As Named SAFER Violation Types: Medical certificate, Logs, Hours, CDL, Drug/Alcohol, Traffic

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Number of driver violations (by category) over period	Carrier.VIOLATION_LOGS	Inspection/Violation Summary Violation Logs		NUMBER(22) Precision 6	Driver Inspection Violation Counts: As Named SAFER Violation Types: Medical certificate, Logs, Hours, CDL, Drug/Alcohol, Traffic
Number of driver violations (by category) over period	Carrier.VIOLATION_HOURS	Inspection/Violation Summary Violation Hours		NUMBER(22) Precision 6	Driver Inspection Violation Counts: As Named SAFER Violation Types: Medical certificate, Logs, Hours, CDL, Drug/Alcohol, Traffic
Number of driver violations (by category) over period	Carrier.VIOLATION_LICENSE	Inspection/Violation Summary Violation License		NUMBER(22) Precision 6	Driver Inspection Violation Counts: As Named SAFER Violation Types: Medical certificate, Logs, Hours, CDL, Drug/Alcohol, Traffic
Number of driver violations (by category) over period	Carrier.VIOLATION_DRUGS	Inspection/Violation Summary Violation Drugs		NUMBER(22) Precision 6	Driver Inspection Violation Counts: As Named SAFER Violation Types: Medical certificate, Logs, Hours, CDL, Drug/Alcohol, Traffic
Number of driver violations (by category) over period	Carrier.VIOLATION_TRAFFIC	Inspection/Violation Summary Traffic		NUMBER(22) Precision 6	Driver Inspection Violation Counts: As Named SAFER Violation Types: Medical certificate, Logs, Hours, CDL, Drug/Alcohol, Traffic
Number of HAZMAT violations (by category) over period	Carrier.VIOLATION_PLACARDS	Inspection/Violation Summary Violation HM Placards		NUMBER(22) Precision 6	HazMat Inspection Violation Counts: As Named SAFER Violation Types: Papers, Placards, OP/Emergency Response, Cargo Tank, Other
Number of HAZMAT violations (by category) over period	Carrier.VIOLATION_OP_EMER_ RESP	Inspection/Violation Summary Violation HM Op Emer		NUMBER(22) Precision 6	HazMat Inspection Violation Counts: As Named SAFER Violation Types: Papers, Placards, OP/Emergency Response, Cargo Tank, Other
Number of HAZMAT violations (by category) over period	Carrier.VIOLATION_TANK	Inspection/Violation Summary Violation HM Cargo Tank		NUMBER(22) Precision 6	HazMat Inspection Violation Counts: As Named SAFER Violation Types: Papers, Placards, OP/Emergency Response, Cargo Tank, Other
Number of HAZMAT violations (by category) over period	Carrier.VIOLATION_OTHER	Inspection/Violation Summary Violation HM Other		NUMBER(22) Precision 6	HazMat Inspection Violation Counts: As Named SAFER Violation Types: Papers, Placards, OP/Emergency Response, Cargo Tank, Other
Number of HAZMAT violations (by category) over period	Carrier.VIOLATION_PAPERS	Inspection/Violation Summary Violation HM Papers		NUMBER(22) Precision 6	HazMat Inspection Violation Counts: As Named SAFER Violation Types: Papers, Placards, OP/Emergency Response, Cargo Tank, Other
Prior Enforcement Cases	Carrier.PRIOR_ENFORCEMENT_ CASES	Enforcement Prior Cases Count	270 376	NUMBER (22) Precision 2	Number of prior enforcement cases
Carrier Last OOS Order History:					
Carrier OOS ID number	Carrier.OOS_REPORT_NUMBER	OOS Report Number		CHAR(6)	For overview: last OOS order only
Carrier OOS order date/time	Carrier.OOS_DATETIME	OOS Date, OOS		DATE(7)	For overview: last order only

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
		Time			
Carrier OOS order reason code	Carrier.OOS_REASON	OOS Reason		CHAR(6)	For overview: last order only Federal Violation Codes
Carrier OOS status	Carrier.OOS_STATUS	OOS Status		CHAR(3)	For overview: last order only
Number Reportable Accidents 24-Month	Carrier.RECORDABLE_CRASHES	Review Accidents Reportable		NUMBER(22) Precision 5	Total reportable Accidents Implicit 2 year window
Number Preventable/Reportable Accidents 24-Month	Carrier.PREVENTABLE_CRASHES	Review Accidents Preventable		NUMBER(22) Precision 3	Total preventable/reportable accidents Implicit 2 year window
Operating Mileage for Period 24-Month	Carrier.MILEAGE	Review Mileage		NUMBER(22) Precision 10	Mileage collected during review. Two year Period.
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_MEDICAL_ CERTIFICATE	Review Violation Medical Certificate		CHAR(1)	Safety Review Driver Violations as Named: Y/N SAFER review Indicators are 0/1.
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_LOGS	Review Violation Logs		CHAR(1)	Safety Review Driver Violations as Named: Y/N SAFER review Indicators are 0/1.
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_HOURS	Review Violation Hours		CHAR(1)	Safety Review Driver Violations as Named: Y/N SAFER review Indicators are 0/1.
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_DRUG_ALCOHOL	Review Violation Drug/Alcohol		CHAR(1)	Safety Review Driver Violations as Named: Y/N SAFER review Indicators are 0/1.
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_LICENSE	Review Violation License		CHAR(1)	Safety Review Driver Violations as Named: Y/N SAFER review Indicators are 0/1.
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_TRAFFIC	Review Violation Traffic		CHAR(1)	Safety Review Driver Violations as Named: Y/N SAFER review Indicators are 0/1.
Critical/Acute HAZMAT Violation Indicators by Type	Carrier.REVIEW_PAPERS	Review Violation HM Papers		CHAR(1)	Safety Review HazMat Violations as Named: Y/N
Critical/Acute HAZMAT Violation Indicators by Type	Carrier.REVIEW_PLACARDS	Review Violation HM Placards		CHAR(1)	Safety Review HazMat Violations as Named: Y/N
Critical/Acute HAZMAT Violation Indicators by Type	Carrier.REVIEW_CARGO_TANK	Review Violation HM Cargo Tank		CHAR(1)	Safety Review HazMat Violations as Named: Y/N
Critical/Acute HAZMAT Violation Indicators by Type	Carrier.REVIEW_OTHER	Review Violation HM Other		CHAR(1)	Safety Review HazMat Violations as Named: Y/N
Follow-Up Code	Carrier.FOLLOW_UP_CODE	Follow-Up Code	376	CHAR(1)	Follow Up Code Recommendations: F - Federal, S - State
Carrier Ratable	Carrier.CARRIER_RATABLE	Carrier Ratable Indicator	270 376	CHAR(1)	Not related to review, occurs once per carrier.

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Review Date	Carrier.REVIEW_DATE	Review Date		DATE(7)	For overview: Last rating Date review completed in the field
Safety Rating	Carrier.SAFETY_RATING	Review Safety Rating		CHAR(1)	For overview: last review only
Rating Date	Carrier.RATING_DATE	Review Rating Date		DATE(7)	For overview: last review only
Review type	Carrier.REVIEW_TYPE			CHAR(1)	For overview: last review Type only
Carrier Safety Review History:					
Review Date	Carrier_Review.REVIEW_DATE	Review Date		DATE(7)	For overview: Last rating Date review completed in the field
Rating - History	Carrier_Review.SAFETY_RATING	Review Safety Rating		CHAR(1)	
Rating Date	Carrier_Review.RATING_DATE	Review Rating Date		DATE(7)	For overview: last review only
Review Safety Investigator Code	Carrier.REVIEW_INVESTIGATOR_CODE	Review Investigator Code	270 376	CHAR(6)	Code identified by reviewer
Review type	Carrier_Review.REVIEW_TYPE	Compliance Review Data Census Review Data		CHAR(1)	For overview: last review Type only
Safety Rating Factor 1	Carrier_Review.SAFETY_RATING_FACTOR_1	Review Safety Factor 1 Rating	270 376	CHAR(1)	Element of the safety rating methodology for the Safety Fitness Determination Process. Factor 1 = General (regulatory).
Safety Rating Factor 2	Carrier_Review.SAFETY_RATING_FACTOR_2	Review Safety Factor 2 Rating	270 376	CHAR(1)	Element of the safety rating methodology for the Safety Fitness Determination Process. Factor 2 = Driver (regulatory).
Safety Rating Factor 3	Carrier_Review.SAFETY_RATING_FACTOR_3	Review Safety Factor 3 Rating	270 376	CHAR(1)	Element of the safety rating methodology for the Safety Fitness Determination Process. Factor 3 = Operational (regulatory).
Safety Rating Factor 4	Carrier_Review.SAFETY_RATING_FACTOR_4	Review Safety Factor 4 Rating	270 376	CHAR(1)	Element of the safety rating methodology for the Safety Fitness Determination Process. Factor 4 = Vehicle (regulatory).

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Safety Rating Factor 5	Carrier_Review.SAFETY_RATING_FACTOR_5	Review Safety Factor 5 Rating	270 376	CHAR(1)	Element of the safety rating methodology for the Safety Fitness Determination Process. Factor 5 = HazMat (regulatory).
Safety Rating Factor 6	Carrier_Review.SAFETY_RATING_FACTOR_6	Review Safety Factor 6 Rating	270 376	CHAR(1)	Element of the safety rating methodology for the Safety Fitness Determination Process. Factor 6 = Accident Rate.
Review City	Carrier_Review.REVIEW_CITY	Review City	270 376	VARCHAR2(25)	City in which review was conducted
Review State	Carrier_Review.REVIEW_STATE	Review State	270 376	CHAR(2)	State in which review was conducted
Review Safety Investigator Code	Carrier_Review.REVIEW_INVESTIGATOR_CODE	Review Investigator Code	270 376	CHAR(6)	Code identified by reviewer
Review Reason - Initial Contact	Carrier_Review.REVIEW_REASON_INITIAL_CONTACT	Review Reason - Initial	270 376	NUMBER(22) Precision 1	Reason for initial contact. Value 0/1
Review Reason - Complaint	Carrier_Review.REVIEW_REASON_COMPLAINT	Review Reason - Complaint	270 376	NUMBER(22) Precision 1	Complaint Investigation Value 0/1
Review Reason - Priority List	Carrier_Review.REVIEW_REASON_PRIORITY_LIST	Review Reason - Priority List	270 376	NUMBER(22) Precision 1	Priority list placard Value 0/1
Review Reason - Enforcement Follow Up	Carrier_Review.REVIEW_REASON_ENF_FOLLOW_UP	Review Reason - Enforcement Follow Up	270 376	NUMBER(22) Precision 1	Enforcement Follow up Value 0/1
Review Reason - Carrier Request	Carrier_Review.REVIEW_REASON_CARRIER_REQUEST	Review Reason - Carrier Request	270 376	NUMBER(22) Precision 1	Carrier request Value 0/1
Not Rated Reason	Carrier_Review.REVIEW_REASON_NOT_RATED	Review No Rating Reason	270 376	CHAR(1)	Reason not rated (MCMIS Only): (C) Intrastate only Hazmat (G) Shipper review (I) Mileage not reported (J) Minimum parts not received (M) Unsatisfactory rating held.
Review Reason - Other	Carrier_Review.REVIEW_REASON_OTHER	Review Reason - Other	270 376	NUMBER(22) Precision 1	Other reason that caused review Value 0/1
Review Reason - Description	Carrier_Review.REVIEW_REASON_OTHER_DESC	Text Description For Reason For Review	270 376	VARCHAR2(20)	Description of other review reason
Number Reportable Accidents 24 - Month	Carrier_Review.RECORDABLE_CRASHES	Review Accidents Reportable		NUMBER(22) Precision 5	Total reportable Accidents Implicit 2 year window

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Operating Mileage for Period 24 - Month	Carrier_Review.MILEAGE	Review Mileage		NUMBER(22) Precision 10	Mileage collected during review. Two year Period.
Number of Vehicles Checked from Profile	Carrier_Review.VEH_CHECKED_ FROM_PROFILE	Review Vehicle Inspected During Review	270 376	NUMBER(22) Precision 4	Number of vehicles included in review
Number of OOS Vehicles Checked from Profile	Carrier_Review.OOS_VEH_ CHECKED_FROM_PROFILE	Review OOS Vehicles Inspected during Review Checked	270 376	NUMBER(22) Precision 3	Number of OOS vehicles to be verified during review
Number of Vehicles Checked during Review	Carrier_Review.VEH_CHECKED_ DURING_REVIEW	Review MCMIS Vehicles Inspected During Review	270 376	NUMBER(22) Precision 3	Number of vehicles inspected during review
Number of OOS Vehicles Checked during Review	Carrier_Review.OOS_VEH_ CHECKED_DURING_REVIEW	Review MCMIS OOS Vehicles Inspected During Review	270 376	NUMBER(22) Precision 3	Number of OOS vehicle inspected during review
Planned Action - Compliance Monitoring	Carrier_Review.PLANNED_ACTION_ COMPLIANCE_ MON	Review Action - Selective Monitoring	270 376	NUMBER(22) Precision 1	Action - Monitoring carrier
Planned Action - Prosecution	Carrier_Review.PLANNED_ACTION_ PROSECUTION	Review Action - Prosecution	270 376	NUMBER(22) Precision 1	Prosecution
Planned Action - OOS Order	Carrier_Review.PLANNED_ACTION_ OOS_ORDER	Review Action - OOS Order	270 376	NUMBER(22) Precision 1	Out of Service order
Planned Action - Administrative Handling	Carrier_Review.PLANNED_ACTION_ ADMIN_HANDLING	Review Action - Administrative	270 376	NUMBER(22) Precision 1	Action - Administration Action
Planned Action - Other	Carrier_Review.PLANNED_ACTION_ OTHER	Review Action - Other	270 376	NUMBER(22) Precision 1	Other action required
Planned Action - Other Description	Carrier_Review.PLANNED_ACTION_ OTHER_DESC	Review Action Other Text	270 376	VARCHAR2(20)	Description of other action required
State Data and Comments					
Optional State Comment	Carrier.STATE_DATA	State Data	0	VARCHAR2(30)	Provided by Carrier's Base State
Carrier Electronic Screening Enrollment					

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Activity ID	Carrier_Escreen.ACTIVITY_CODE	Safety Program Indicator	274 476	CHAR(2)	Supports flexible use of the following repeating fields. This portion is intended to support electronic screening enrollment, but other Activity IDs may support other activities.
Jurisdiction ID	Carrier_Escreen.JURISDICTION_ CODE	Safety Program Jurisdiction ID	274 476	CHAR(4)	4-character code identifying a jurisdiction
Carrier Action	Carrier_Escreen.CARRIER_ACTION	Safety Program Action Data	274 476	CHAR(3)	Carrier sets this value to indicate preference to participate in electronic screening in this jurisdiction.
Carrier Action Date	Carrier_Escreen.CARRIER_ACTION_ DATE	Safety Program Action Date	274 476	DATE(7)	Date of carrier election to participate.
Jurisdiction Action	Carrier_Escreen.JURISDICTION_ ACTION	Safety Program Jurisdiction Action	274 476	CHAR(3)	State or jurisdiction acceptance or rejection of the carrier in the program. This field is optional if the state has an open enrollment policy.
Jurisdiction Action Date	Carrier_Escreen.JURISDICTION_ ACTION_DATE	Safety Program Jurisdiction Action Date	274 476	DATE(7)	Date of the state decision, if specified.

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Appendix A: Vehicle Snapshot

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Vehicle ID Section					
Date of last update	Vehicle.LAST_UPDATE_DATE	Last Update Date		DATE(7)	Applies to the entire snapshot
Vehicle Identification Number	Vehicle.VIN	Vehicle ID Number - VIN		VARCHAR2(17)	Vehicle Identification Number assigned by manufacturer (alphanumeric)
Vehicle Plate ID:					
Jurisdiction Code	Vehicle.LICENSE_PLATE_STATE	License Plate Jurisdiction	570 291 391	VARCHAR2(2)	Jurisdiction (state or province) code (alphanumeric); the allowable subdivision codes will be defined in the FMCSA Code Directory
License Plate ID	Vehicle.LICENSE_PLATE_NUMBER	License Plate Number	570	VARHCAR2(12)	License plate ID (alphanumeric)
Titling Jurisdiction	Vehicle.TITLE_JURISDICTION	Title Jurisdiction	234 475	VARCHAR2(2)	Jurisdiction (state or province) where the vehicle was titled.
Title Number	Vehicle.TITLE_NUMBER	Title Number	234 475	VARCHAR2(17)	Title number.
Registration Base Jurisdiction	Vehicle.IRP_BASE_STATE	IRP Base State		VARCHAR2(2)	IRP Cab Card Base State
Unit Number	Vehicle.UNIT_NUMBER	Carrier Assigned Unit Number		VARCHAR2(5)	IRP Cab Card unit number
Transponder ID:					
Transponder Serial Number	Vehicle.TRANSPONDER_NUMBER	Vehicle ID Number - Transponder Number	549	VARCHAR2(10)	Flag = 0 Vehicle Transponder ID (Character representation of 32 - bit unsigned integer) Flag = 1 Vehicle Transponder ID (Character representation of 20 - bit unsigned integer)
Vehicle Owner	Vehicle.OWNER_NAME	Owner Name		VARCHAR2(55)	IRP Cab Card Owner. (Name, Alpha)
Vehicle Operator	Vehicle.OPERATOR_NAME	Operator Name	391	VARCHAR2(55)	IRP Cab Card Operator. (Name, Alpha)

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Registration Carrier Identifier:					
ID: USDOT	Vehicle.CVIS_DEFAULT_CARRIER	Safety Carrier ID - DOT	548	VARCHAR2(12)	Carrier-Specific Identifier corresponding to the ID type (alphanumeric); if carrier is interstate, must be USDOT number; if carrier is intrastate and has a USDOT number, must be USDOT number; for state-specific IDs, the Carrier-Specific Identifier may include a prefix to clarify the agency/source of the identifier.
Jurisdiction Code:	Vehicle.DEFAULT_ISSUING_AUTHORITY	Safety Issuing Jurisdiction	548	VARCHAR2(4)	Required for an Intrastate Carrier. Jurisdiction Code, if carrier is intrastate (alphanumeric); 2 - character country code, 2-character subdivision code ; the allowable country and subdivision codes are defined in the FHWA Code Directory.
Carrier Terminal ID	Vehicle.DEFAULT_TERMINAL_ID	Safety Terminal ID	548	VARCHAR2(4)	Carrier Terminal ID designated by carrier (alphanumeric).
Vehicle Description					
Equipment type	Vehicle.TYPE	Vehicle Type		VARCHAR2(2)	IRP Cab Card Type
Make	Vehicle.MAKE	Vehicle Make		VARCHAR2(10)	IRP Cab Card Make
Model	Vehicle.MODEL	Vehicle Model		VARCHAR2(3)	Model of Make
Year	Vehicle.MODEL_YEAR	Vehicle Model Year		VARCHAR2(4)	IRP Cab Card Year
Vehicle Gross Weight	Vehicle.GVW	Weight - Gross		NUMBER(22) Precision - 8	IRP Cab Card Gross Vehicle Weight
Unladen Weight	Vehicle.UNLADEN_WEIGHT	Weight - Unladen		NUMBER(22) Precision - 8	IRP Cab Card Unladen Weight
Number of axles/seats	Vehicle.NUMBER_OF_AXLES	Number of Axles		NUMBER(22) Precision - 2	IRP Cab Card Number of Axles for Trucks only. If Bus, then number of seats.
Type of Fuel	Vehicle.FUEL	Vehicle Fuel Type		VARCHAR2(2)	IRP Cab Card Fuel
Flags and Check Flags					

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
NMVTIS Check Flag	Vehicle.NMVTIS_CHECK_FLAG	NMVTIS Check Flag	1046	VARCHAR2(3)	· "S26" to indicate a check with the appropriate authoritative source is needed · "S27" to indicate no check with the appropriate authoritative source is needed · "U" to indicate no information is available'
NMVTIS Check Flag Update Date	Vehicle.NMVTIS_CHECK_DATE	NMVTIS Check Flag Date		DATE(7)	Date Flag was set
IRP Check Flag	Vehicle.IRP_CHECK_FLAG	IRP Check Flag	1046	VARCHAR2(3)	· "S26" to indicate a check with the appropriate authoritative source is needed · "S27" to indicate no check with the appropriate authoritative source is needed · "U" to indicate no information is available'
IRP Check Flag Update Date	Vehicle.IRP_CHECK_DATE	IRP Check Flag Date		DATE(7)	Date Flag was set
Vehicle Credential Data - Registration					
Registration Number / IRP Account number	Vehicle.IRP_ACCOUNT_NUM	IRP Account Number		VARCHAR2(15)	IRP "Cab Card" Account number
Registration Effective Date	Vehicle.REGISTRATION_START_DATE	IRP Registration Start Date		DATE(7)	IRP "Cab Card" Registration start
Registration Expiration Date	Vehicle.REGISTRATION_EXPIRE_DATE	IRP Registration Expiration Date		DATE(7)	IRP "Cab Card" Registration expiration date
Weights					
IRP Jurisdiction For Each State	Vehicle_IRP_JURIS.IRP_JURISDICTION	IRP Jurisdiction		VARCHAR2(4)	IRP "Cab Card" Information: States & Weights (*Multiple occurrence Table) Weight Carried/Qualified
IRP Weight For Each State	Vehicle_IRP_JURIS.IRP_WEIGHT_CARRIED	IRP Jurisdiction Weight		VARCHAR2(8)	IRP "Cab Card" Information: States & Weights (*Multiple occurrence Table) Weight Carried/Qualified
Vehicle Credential Data -Trip Permit(s)					
Permit Type	Vehicle_permit.PERMIT_TYPE			VARCHAR2(3)	Type of Permit

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Permit ID	Vehicle_permit.PERMIT_NUMBER	Permit number Permit HazMat Number Permit OS/OW Number		VARCHAR2(22)	Permit ID Number
Permit Effective Date	Vehicle_permit.PERMIT_START_DATE	Permit start date Permit HazMat Start Date Permit OS/OW Start Date		DATE(7)	Valid start date
Permit Expiration Date	Vehicle_permit.PERMIT_EXPIRE_DATE	Permit expire date Permit HazMat Expiration Date Permit OS/OW Expiration Date		DATE(7)	Valid expiration date
Cargo Type	Vehicle_permit.PERMIT_CARGO_TYPE	Permit OS/OW Cargo Type		VARCHAR2(3)	Permitted cargo type
Cargo Format	Vehicle_permit.PERMIT_CARGO_FORMAT	Permit OS/O Cargo Format		VARCHAR2(3)	Permitted cargo format
Cargo Weight	Vehicle_permit.PERMIT_CARGO_WEIGHT	Permit OS/OW Weight		NUMBER(22) Precision - 8	Permitted cargo weight
Cargo Width	Vehicle_permit.PERMIT_CARGO_WIDTH	Permit OS/OW Width		NUMBER(22) Precision - 5	Permitted cargo width
Cargo Length	Vehicle_permit.PERMIT_CARGO_LENGTH	Permit OS/OW Length		NUMBER(22) Precision - 5	Permitted cargo length
Cargo Height	Vehicle_permit.PERMIT_CARGO_HEIGHT	Permit OS/OW Cargo Height		NUMBER(22) Precision - 5	Permitted cargo height
Cargo Overall Length	Vehicle_permit.PERMIT_CARGO_OVERALL_ LENGTH	Permit OS/OW Cargo Overall Length		NUMBER(22) Precision - 5	Permitted cargo overall length
Cargo Front Projection	Vehicle_permit.PERMIT_CARGO_PROJECT_ FRONT	Permit OS/OW Cargo Project Front		NUMBER(22) Precision - 5	Permitted front projection
Cargo Rear Projection	Vehicle_permit.PERMIT_CARGO_PROJECT_REAR	Permit OS/OW Cargo Project Rear		NUMBER(22) Precision - 5	Permitted rear projection
Registered Axle Spacings	Vehicle_permit.PERMIT_VEHICLE_AXLE_CONFIG	Permit OS/OW Vehicle Axle Configuration		VARCHAR2(25)	Permitted axle configuration

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Permit Restrictions					
Key for Permit Restrictions Table	Vehicle_permit_restrictions.PERMIT_NUMBER	Permit Number		VARCHAR2(22)	Used to link to permit restrictions table
Permit Restriction	Vehicle_permit_restrictions.PERMIT_RESTRICTION	Permit Restriction Permit HazMat Restriction		VARCHAR2(80)	Permit Restriction
Permit Weight					
Key for Permit Weights Table	Vehicle_permit_weights.PERMIT_NUMBER	Permit Number		VARCHAR2(22)	Used to link to permit weights table
Permit Jurisdictions	Vehicle_permit_weights.PERMIT_JURISDICTION	Permit Jurisdiction Permit HazMat Jurisdiction Permit OS/OW Jurisdiction		VARCHAR2(4)	Permitted Jurisdictions and Weights
Permit Weights	Vehicle_permit_weights.PERMIT_WEIGHT_CARRIED	Permit Jurisdiction Weight		NUMBER(22) Precision - 8	Permitted Jurisdictions and Weights
Vehicle Last Inspection Overview					
Inspection date/time	Vehicle.INSPECTION_DATETIME	Inspection Start Date, Time		DATE(7)	For overview: last inspection only
Inspection location	Vehicle.INSPECTION _LOCATION	Inspection Location Code		VARCHAR2(6)	Location Code: last inspection only
Inspection Report ID	Vehicle.INSPECTION_RPTNUM	Inspection Report Number		VARCHAR2(16)	For overview: last inspection only
Inspection Carrier US DOT #	Vehicle.CARRIER_ID_NUMBER	Inspection Carrier ID - DOT		VARCHAR2(12)	DOT number for last inspection report sent to SAFER
Inspection Carrier Issuing	Vehicle.CARRIER_ISSUING_AUTHORITY	Inspection Carrier Issuing		VARCHAR2(4)	Country Code + State Code (FIPS) (Last Inspection)
Inspection Terminal ID	Vehicle.TERMINAL_ID	Inspection Carrier Terminal ID		VARCHAR2(4)	Carrier Assigned Terminal ID (4 Characters) (Last Inspection)

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Inspection State Assigned Carrier Census Number	Vehicle.CARRIER_STATE_ID	Inspection Carrier State ID		VARCHAR2(29)	Last Inspection Only
CVSA Decal Issued (Yes/No)	Vehicle.CVSA_CERT_FLAG	Inspection CVSA Certification Issued Flag		VARCHAR2(3)	Last Inspection Only. Field updated only when CVIS decal is issued. If not issued by latest Inspection Report, it is not over written.
Date CVSA decal expires	Vehicle.CVSA_EXPIRE_DATE	CVSA Expiration Date		DATE(7)	Expiration Date. Field updated only when CVIS decal is issued. If not issued by latest Inspection Report, it is not over written.
OOS flag	Vehicle.INSPECTION_OOS_FLAG	Inspection OOS Flag	212	VARCHAR2(3)	Indicates whether or not the last inspection resulted in an out-of-service order. Does not indicate whether or not the vehicle is currently out of service.
Driver OOS Order ID / Report ID	Vehicle.OOS_RPTNUM	OOS Report Number		VARCHAR2(16)	*Inspection Identifier or the last out-of-service order. May have been earlier than the last inspection.
Out of Service 'Until' Info	Vehicle.OOS_UNTIL	OOS Until		VARCHAR2(25)	*Out-of-Service 'Until' Info from Inspection Report.
Vehicle OOS order date/time	Vehicle.OOS_DATETIME	OOS Date, Time	212	DATE(7)	For overview: most recent OOS order only
Date/time vehicle OOS repair verified	Vehicle.OOS_VERIFY_DATE	OOS Verify Date		DATE(7)	Currently Not available.
OOS Reason Codes					
Key to Vehicle Reason Table	Vehicle_reason.OOS_RPTNUM	OOS Report Number		VARCHAR2(16)	The federal violation code number for each out-of-service violation. 14 Characters. (*Multiple occurrence Table)
OOS order reason code	Vehicle_reason.OOS_VIOLATION_REASON	OOS Reason		VARCHAR2(14)	The federal violation code number for each out-of-service violation. 14 Characters. (*Multiple occurrence Table)
Vehicle Inspection & Violation Summary					
Inspection Date Start	Vehicle.INSP_SUM_START_DATE	Inspection Start Date		DATE(7)	Time Period. Information based only on SAFER statistics and does not necessarily represent all statistics for the vehicle.
Inspection Date End	Vehicle.INSP_SUM_END_DATE	Inspection End Date		DATE(7)	Time Period. Information based only on SAFER statistics and does not necessarily represent all statistics for the vehicle.

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Number of Inspections with HAZMAT present over period	Vehicle.INSP_SUM_HM_INSPS	Inspection/Violation Summary HazMat Inspections		NUMBER(22) Precision - 3	Total Within Period. Information based only on SAFER statistics and does not necessarily represent all statistics for the vehicle.
Total Number of Inspections present over period	Vehicle.INSP_SUM_INSPECTION_TOTAL	Inspection/Violation Summary Vehicle Inspections		NUMBER(22) Precision - 3	Total Within Period. Information based only on SAFER statistics and does not necessarily represent all statistics for the vehicle.
Number of OOS inspections, Vehicle	Vehicle.INSP_SUM_OOS_VEH_INSPS	Inspection/Violation Summary OOS Vehicle Inspections		NUMBER(22) Precision - 3	Total Within Period. Information based only on SAFER statistics and does not necessarily represent all statistics for the vehicle.
Number of Vehicle OOS orders over period	Vehicle.INSP_SUM_OOS_ORDER_COUNT	Inspection/Violation Summary OOS Orders		NUMBER(22) Precision - 3	Total Within Period. From Inspections and other sources. Information based only on SAFER statistics and does not necessarily represent all statistics for the vehicle.
Number of Vehicle OOS violations over period	Vehicle.INSP_SUM_OOS_VIOL_COUNT	Inspection/Violation Summary OOS Violations		NUMBER(22) Precision - 6	May be several violations per out-of-service order. Information based only on SAFER statistics and does not necessarily represent all statistics for the vehicle.
Vehicle Electronic Screening Enrollment					
Activity ID	Vehicle_escreen.ACTIVITY_CODE	Safety Program Indicator	274 476	CHAR(2)	This portion is intended to support electronic screening enrollment, but other Activity IDs may support other activities. E01 - Indicates E-screening Program
Jurisdiction ID	Vehicle_escreen.JURISDICTION_CODE	Safety Program Jurisdiction ID	274 476	CHAR(4)	4 character code identifying a jurisdiction
Vehicle Action	Vehicle_escreen.VEHICLE _ACTION	Safety Program Action Data	274 476	CHAR(3)	Carrier sets this value to indicate preference to participate in electronic screening in this jurisdiction. Not used for Vehicle Snapshot.
Vehicle Action Date	Vehicle_escreen.VEHICLE_ACTION_DATE	Safety Program Action Date	274 476	DATE(7)	Date of carrier election to participate.
Jurisdiction Action	Vehicle_escreen.JURISDICTION_ACTION	Safety Program Jurisdiction Action	274 476	CHAR(3)	State or jurisdiction acceptance or rejection of the carrier in the program. This field is optional if the state has an open enrollment policy.

Data Description	SAFER Database Table & Field Name (Table.Field)	EDI IG Data Item	Applicable CR Number	SAFER Database Element Type and Length	Comments
Jurisdiction Action Date	Vehicle_escreen.JURISDICTION_ACTION_DATE	Safety Program Jurisdiction Action Date	274 476	DATE(7)	Date of the state decision, if specified.

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Safety and Fitness Electronic Records (SAFER) System
and
Commercial Vehicle Information Exchange Window (CVIEW)

Carrier, Vehicle, and Driver Snapshots
Baseline Version

Appendix B.

Snapshot Views and Data Sources

Appendix B. Snapshot Views and Data Sources

There are currently three major builds of the SAFER and CVIEW System. They are Version 1.5, Version 1.6, and Version 2. Views are associated with each build by revision number. A view with a revision number of 1 is available in Version 1.5, a view with a revision number of 2 is available in Version 1.6, and a view with a revision number of 3 is available in Version 2.

The following tables give a detailed description of the carrier and vehicle snapshots. The tables reflect current status as of version 2 of SAFER/CVIEW. The fields are grouped together according to the type of data they represent, for instance, all carrier safety ratings may be found in one section. For each field these columns are provided:

- Data description,
- The SAFER database element name,
- Available views,
- For national and/or regional/state sources
  - Authoritative Source
  - Authoritative Source Availability

A number in the view column indicates the view revision that contains the data item. The source name is supplied for each data element where an electronic source is available. The availability column indicates when SAFER and CVIEW will support the exchange of the data element. In this version of the table, only Maryland is listed in the regional/state source columns.

Appendix B: Carrier Snapshot

Data Description	SAFER Database Table & Field Name (Table.Field)	Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
Carrier ID Section																	
Primary Carrier ID																	
Carrier Specific ID : USDOT	Carrier.CARRIER_ID_NUMBER	1-3	2-3	2-3	3	3	3	3	3	2-3		MCMIS	CURRENT				
Carrier Specific ID: State Specific	Carrier.STATE_CARRIER_ID	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
Jurisdiction Code	Carrier.ISSUING_AUTHORITY	1-3		2-3	3	3	3	3	3	2-3	3	MCMIS	CURRENT				
Carrier Terminal ID	Carrier.TERMINAL_ID	1-3		2-3		3	3	3	3	2-3	3	MCMIS	CURRENT				
DUNS Number	Carrier.DUNS_NUMBER	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Tax ID Type	Carrier.TAX_ID_TYPE	1-3		2-3	3							MCMIS	CURRENT				
Tax Number	Carrier.TAX_ID_NUMBER	1-3		2-3	3							MCMIS	CURRENT				
ID Number: ICC Number 1	Carrier.ICC_NUMBER_1	1-3	1,3	2-3	3	3			3	2-3		MCMIS	CURRENT				
ID Number: ICC Number 2	Carrier.ICC_NUMBER_2	1-3	1	2-3	3	3			3	2-3		MCMIS	CURRENT				
ID Number: ICC Number 3	Carrier.ICC_NUMBER_3	1-3	1	2-3	3	3			3	2-3		MCMIS	CURRENT				
OIC Number	Carrier.OIC_NUMBER	3		3	3							MCMIS	CURRENT				
Date Carrier Added	Carrier.DATE_ADDED	1-3		2-3					3	2-3		MCMIS	CURRENT				
Date MCMIS File	Carier.FILE_CREATE_DATE	1-3	3	2-3					3	2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems — Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Legal Name	Carrier.CARRIER_NAME	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
DBA Name	Carrier.DBA_NAME	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
Alphabetizer: Primary	Carrier.NAME_ALPHABETIZER	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Alphabetizer: Secondary	Carrier.NAME_ALPHABETIZER2	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Region Code	Carrier.REGION_CODE	3		3	3							MCMIS	CURRENT				
Territory Code	Carrier.TERRITORY_CODE	3		3	3							MCMIS	CURRENT				
Street Address	Carrier.STREET	1-3	1,-3	2-3	3				3	2-3		MCMIS	CURRENT				
Colonia	Carrier.COLONIA	3		3	3							MCMIS	CURRENT				
City	Carrier.CITY	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
State	Carrier.STATE	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
Zip Code	Carrier.ZIP_CODE	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
Zip Code Plus 4	Carrier.ZIP_PLUS_4	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
County Code	Carrier.COUNTY_CODE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Country	Carrier.COUNTRY	1-3		2-3					3	2-3		MCMIS	CURRENT				
Mailing Address	Carrier.MAIL_STREET	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Mailing Address	Carrier.MAIL_CITY	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Mailing Address	Carrier.MAIL_STATE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Mailing Address	Carrier.MAIL_ZIP_CODE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Mailing Address	Carier.MAIL_ZIP_PLUS_4	1-3		2-3	3				3	2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
Mailing Address	Carrier.MAIL_COUNTY_CODE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Mailing Address	Carrier.MAIL_COLONIA	3		3	3							MCMIS	CURRENT				
Communication Numbers	Carrier.EMAIL_ADDRESS	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Communication Numbers	Carrier.TELEPHONE_AREA_CODE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Communication Numbers	Carrier.TELEPHONE_NUMBER	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Communication Numbers	Carrier.FAX_AREA_CODE	3		3	3							MCMIS	CURRENT				
Communication Numbers	Carrier.FAX_NUMBER	3		3	3							MCMIS	CURRENT				
Carrier & Shipper Characterization																	
Classifications	Carrier.ENTITY_TYPE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
MCMIS Status	Carrier.MCMIS_STATUS	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
MCMIS Status Date	Carrier.MCMIS_STATUS_DATE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
MCMIS File Create Date	Carrier.MCMIS_TRANSACTION_DATE	3		3					3			MCMIS	CURRENT				
Date of Last Update	Carrier.LAST_UPDATE_DATE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Last Update User	Carrier.LAST_UPDATE_USERID	1-3		2-3					3	2-3		MCMIS	CURRENT				
Carrier Types:																	
Interstate	Carrier.CARRIER_INTERSTATE	1-3	3	2-3	3				3	2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Interstate (HazMat)	Carrier.CARRIER_INTERSTATE_HM	3		3	3				3			MCMIS	CURRENT				
Intrastate (Non-HazMat)	Carrier.CARRIER_INTRASTATE_NHM	1-3		2-3	3				3	2-3							
Interstate (Non-HazMat)	Carrier.CARRIER_INTERSTATE_NHM	3	3	3	3				3			MCMIS	CURRENT				
Intrastate (HazMat)	Carrier.CARRIER_INTRASTATE_HM	1-3	3	2-3	3					2-3							
Placarded (HazMat)	Carrier.CARRIER_HAZMAT_PLACARDED	3		3	3							MCMIS	CURRENT				
Shipper Types:																	
Interstate	Carrier.SHIPPER_INTERSTATE	1-3		2-3					3	2-3		MCMIS	CURRENT				
Interstate (HazMat)	Carrier.SHIPPER_INTERSTATE_HM	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Intrastate (HazMat)	Carrier.SHIPPER_INTRASTATE_HM	3		3	3				3								
HAZMAT_STATUS	Carrier.HAZMAT_STATUS	3		3	3				3			MCMIS	CURRENT				
Operations	Carrier_class.CLASS_CODE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Operations	Carrier_class.CLASS_OTHER_DESC	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Cargo Classifications	Cargo_Lookup.CARGO_CODE											MCMIS	CURRENT				
Cargo Classifications	Cargo_Lookup.DESCRIPTION											MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
Cargo Classifications	Carrier_Cargo.CARGO_OTHER_DESC	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Cargo Classifications	Carrier_Cargo.CARGO_CODE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
HAZMATs Carried/Shipped/Cargo (HazMat Carried, Shipped, and Form repeat for each Category)	Carrier_HazMat.HAZMAT_CODE	2-3		2-3	3				3	2-3		MCMIS	CURRENT				
HAZMATs Carried/Shipped/Cargo (HazMat Carried, Shipped, and Form repeat for each Category)	Carrier_HazMat.HAZMAT_CARRIED_SHIPPED	2-3		2-3	3				3	2-3		MCMIS	CURRENT				
HAZMATs Carried/Shipped/Cargo (HazMat Carried, Shipped, and Form repeat for each Category)	Carrier_HazMat.BULK_NONBULK see Table 3 below	2-3		2-3	3				3	2-3		MCMIS	CURRENT				
Bus	Carrier.BUS	1-3		2-3					3	2-3		MCMIS	CURRENT				
Number of Drivers, Total	Carrier.QUANTITY_DRIVERS	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
Number of Drivers, Interstate	Carrier.QUANTITY_DRIVERS_INTERSTATE	3		3	3				3			MCMIS	CURRENT				
Number of Drivers, Intrastate	Carrier.QUANTITY_DRIVER_INTRASTATE	3		3	3				3			MCMIS	CURRENT				
Number of Drivers, CDL	Carrier.QUANTITY_DRIVERS_CDL	3		3	3				3			MCMIS	CURRENT				
Number of Power Units	Carrier.QUANTITY_POWER_UNITS	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
Number of Trucks	Carrier.QUANTITY_TRUCKS	3		3	3				3			MCMIS	CURRENT				
Number of Truck Tractors	Carrier.QUANTITY_TRUCK_TRACTORS	3		3	3				3			MCMIS	CURRENT				
Number of Trailers	Carrier.QUANTITY_TRAILERS	3		3	3				3			MCMIS	CURRENT				
Number of Cargo Tank Trailers Carrying HM	Carrier.QUANTITY_HAZMAT_TANK_TRAILERS	3		3	3				3			MCMIS	CURRENT				
Number of Cargo Tank Trucks Carrying HM	Carrier.QUANTITY_HAZMAT_TANK_TRUCKS	3		3	3				3			MCMIS	CURRENT				
Number of Motor Coaches	Carrier.QUANTITY_MOTOR_COACHES	3		3	3				3			MCMIS	CURRENT				
Number of School Buses	Carrier.QUANTITY_SCHOOL_BUSES	3		3	3				3			MCMIS	CURRENT				
Number of Vans	Carrier.QUANTITY_VANS	3		3	3				3			MCMIS	CURRENT				
Number of Limousines	Carrier.QUANTITY_LIMOS	3		3	3				3			MCMIS	CURRENT				
Number of Cars	Carrier.QUANTITY_CARS	3		3					3			MCMIS	CURRENT				
Carrier MCS 150 Mileage	Carrier.MCS150_MILEAGE	3		3								MCMIS	CURRENT				
Carrier MCS 150 Mileage Year	Carrier.MCS150_MILEAGE_YEAR	3		3								MCMIS	CURRENT				

Carrier Accident Summary for Last 24 Months

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Number Fatal Accidents - 24 Months	Carrier.SNET_FATAL_ACCIDENTS_LAST24	1-3		2-3					3	2-3		MCMIS	CURRENT				
Number Injury Accidents - 24 Months	Carrier.SNET_INJURY_ACCIDENTS_LAST24	1-3		2-3					3	2-3		MCMIS	CURRENT				
Number Tow-away Accidents - 24 Months	Carrier.SNET_TOWAWAY_ACCIDENTS_LAST24	3		3					3			MCMIS	CURRENT				
Number Other Accidents - 24 Months	Carrier.SNET_OTHER_ACCIDENTS_LAST24	1-3		2-3					3	2-3		MCMIS	CURRENT				
Number Total Accidents - 24 Months	Carrier.SNET_TOTAL_ACCIDENTS_LAST24	3		3					3			MCMIS	CURRENT				
Carrier Inspection Summary for Last 24 Months																	
Past Inspections	Carrier.PRIOR_DATE	1-3		2-3					3	2-3		MCMIS	CURRENT				
Number of Driver Inspections - (Level 1,2,3) - 24 months	Carrier.DRIVER_INSPECTIONS_LAST24	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Number of OOS Driver Inspections – 24 Months	Carrier.OOS_DRIVER_INSPECTIONS_LAST24	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Number of Vehicle Inspections - (level 1,2,5) - 24 months	Carrier.VEHICLE_INSPECTIONS_LAST24	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Number of OOS Vehicle Inspections – 24 Months	Carrier.OOS_VEHICLE_INSPECTIONS_LAST24	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Number of OOS HazMat Inspections – 24 Months	Carrier.OOS_HAZMAT_INSPECTIONS_LAST24	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Number Inspections HM Present – 24 Months	Carrier.QUANTITY_HAZMAT_PRESENT_LAST24	1-3	1	2-3					3	2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System		Regional / State Systems — Maryland State (Example)			
														Interstate		Intrastate	
												Source	Source Availability	Source	Source Availability	Source	Source Availability
Total Number of Inspections - 24 Months	Carrier.QUANTITY_INSPECTIONS_LAST24	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Total Number of OOS Inspections – 24 Months	Carrier.OOS_ALL_TYPES_LAST24	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Carrier Accident Summary for Last 15 Months																	
Number of Fatal Accidents - 15 Months	Carrier.SNET_FATAL_ACCIDENTS_LAST15	3		3	3							MCMIS	CURRENT				
Number of Injury Accidents - 15 Months	Carrier.SNET_INJURY_ACCIDENTS_LAST15	3		3	3							MCMIS	CURRENT				
Number of Tow Away Accidents - 15 Months	Carrier.SNET_TOWAWAY_ACCIDENTS_LAST15	3		3	3							MCMIS	CURRENT				
Number Other Accidents - 15 Months	Carrier.SNET_OTHER_ACCIDENTS_LAST15	3		3								MCMIS	CURRENT				
Number of Total Accidents - 15 Months	Carrier.SNET_TOTAL_ACCIDENTS_LAST15	3		3	3							MCMIS	CURRENT				
Carrier Inspection Summary for Last 15 Months																	
Number of Driver Inspections - (level 1,2,3) - 15 months	Carrier.DRIVER_INSPECTIONS_LAST15	3		3	3							MCMIS	CURRENT				
Number of OOS Driver Inspections – 15 Months	Carrier.OOS_DRIVER_INSPECTIONS_LAST15	3		3	3							MCMIS	CURRENT				
Number of Vehicle Inspections - (level 1,2,5) - 15 months	Carrier.VEHICLE_INSPECTIONS_LAST15	3		3	3							MCMIS	CURRENT				
Number of OOS Vehicle Inspections – 15 Months	Carrier.OOS_VEHICLE_INSPECTIONS_LAST15	3		3	3							MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Number of OOS HazMat Inspections – 15 Months	Carrier.OOS_HAZMAT_INSPECTIONS_ LAST15	3		3								MCMIS	CURRENT				
Number Inspections HM Present – 15 Months	Carrier.QUANTITY_HAZMAT_PRESENT_ LAST15	3		3								MCMIS	CURRENT				
Total Number of Inspections - 15 Months	Carrier.QUANTITY_INSPECTIONS_LAST 15	3		3	3							MCMIS	CURRENT				
Total Number of OOS Inspections – 15 Months	Carrier.OOS_ALL_TYPES_LAST15	3		3	3							MCMIS	CURRENT				
Carrier Accident Summary for Last 30 Months																	
Number of Fatal Accidents - 30 Months	Carrier.SNET_FATAL_ACCIDENTS_ LAST30	3		3	3							MCMIS	CURRENT				
Number of Injury Accidents - 30 Months	Carrier.SNET_INJURY_ACCIDENTS_ LAST30	3		3	3							MCMIS	CURRENT				
Number of Tow Away Accidents – 30 Months	Carrier.SNET_TOWAWAY_ACCIDENTS_ LAST30	3		3	3							MCMIS	CURRENT				
Number Other Accidents - 30 Months	Carrier.SNET_OTHER_ACCIDENTS_ LAST30	3		3								MCMIS	CURRENT				
Number of Total Accidents - 30 Months	Carrier.SNET_TOTAL_ACCIDENTS_ LAST30	3		3	3							MCMIS	CURRENT				
Number of Driver Inspections - (level 1,2,3) - 30 months	Carrier.DRIVER_INSPECTIONS_LAST30	3	3	3	3							MCMIS	CURRENT				
Number of OOS Driver Inspections – 30 Months	Carrier.OOS_DRIVER_INSPECTIONS_ LAST30	3	3	3	3							MCMIS	CURRENT				
Number of Vehicle Inspections - (level 1,2,5) - 30 months	Carrier.VEHICLE_INSPECTIONS_LAST30	3	3	3	3							MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
Number of OOS Vehicle Inspections – 30 Months	Carrier.OOS_VEHICLE_INSPECTIONS_LAST30	3	3	3	3							MCMIS	CURRENT				
Number of OOS HazMat Inspections – 30 Months	Carrier.OOS_HAZMAT_INSPECTIONS_LAST30	3		3								MCMIS	CURRENT				
Number Inspections HM Present – 30 Months	Carrier.QUANTITY_HAZMAT_PRESENT_LAST30	3	3	3								MCMIS	CURRENT				
Total Number of Inspections - 30 Months	Carrier.QUANTITY_INSPECTIONS_LAST30	3	3	3	3							MCMIS	CURRENT				
Total Number of OOS Inspections – 30 Months	Carrier.OOS_ALL_TYPES_LAST30	3	3	3	3							MCMIS	CURRENT				
Carrier Safety Ratings																	
MCSIP Level	Carrier.MCSIP_LEVEL	1-3	1,3	2-3	3				3			MCMIS	CURRENT				
MCSIP Level Date	Carrier.MCSIP_LEVEL_DATE	1-3	1	2-3	3				3			MCMIS	CURRENT				
MCSIP Entry Date	Carrier.MCSIP_ENTRY_DATE	3		3	3				3			MCMIS	CURRENT				
MCSIP Flag	Carrier.MCSIP_FLAG	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
SafeStat Score	Carrier.SAFESTAT_INDICATOR	1-3	1	2-3	3				3			MCMIS	CURRENT				
SafeStat Score Date	Carrier.SAFESTAT_DATE	1-3	1,3	2-3	3				3			MCMIS	CURRENT				
SafeStat Accident SEA	Carrier.SAFESTAT_ACCIDENT_SEA		3	3	3							MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System		Regional / State Systems — Maryland State (Example)			
														Interstate		Intrastate	
												Source	Source Availability	Source	Source Availability	Source	Source Availability
SafeStat Driver SEA	Carrier.SAFESTAT_DRIVER_SEA		3	3	3							MCMIS	CURRENT				
SafeStat Vehicle SEA	Carrier.SAFESTAT_VEHICLE_SEA		3	3	3							MCMIS	CURRENT				
SafeStat Management SEA	Carrier.SAFESTAT_MANAGEMENT_SEA		3	3	3							MCMIS	CURRENT				
SafeStat Category	Carrier.SAFESTAT_CATEGORY	3	3	3	3				3			MCMIS	CURRENT				
SafeStat Letters	Carrier.SAFESTAT_LETTERS	3		3	3				3			MCMIS	CURRENT				
SafeStat Letter Date	Carrier.SAFESTAT_LETTER_DATE	3		3	3				3			MCMIS	CURRENT				
SafeStat Run Indicator	Carrier.SAFESTAT_RUN_INDICATOR	3		3	3				3			MCMIS	CURRENT				
ISS Indicator	Carrier.ISS_INDICATOR	2-3	3	2-3	3				3			MCMIS	CURRENT				
ISS Score	Carrier.ISS_SCORE	2-3	3	2-3	3				3			MCMIS	CURRENT				
ISS Score Date	Carrier.ISS_SCORE_DATE	2-3		2-3					3			MCMIS	CURRENT				
Carrier Credential Data – Federal Operating Authority																	
Operating Authority:																	
Status	Carrier.FEDERAL_OP_AUTH_STATUS	1-3							3	2-3							

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems — Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
ID Number	Carrier.FEDERAL_OP_AUTH_ID	1-3							3	2-3							
Date Issued	Carrier.FEDERAL_OP_AUTH_ ISSUED_DATE	1-3							3	2-3							
Renew Date	Carrier.FEDERAL_OP_AUTH_RENEW_ DATE	1-3							3	2-3							
Base Jurisdiction (State)	Carrier.FEDERAL_OP_AUTH_BASE_STATE	1-3							3	2-3							
Granting Agency	Carrier.FEDERAL_OP_AUTH_ AGENCY	1-3							3	2-3							
Carrier Credential Data –Federal Operating Authority Jurisdictions																	
Key for Carrier_Fed_Op_Auth_Jurisd	Carrier_Fed_OP_Auth_Jurisd. FEDERAL_OP_AUTH_ID	1-3							3	2-3							
Jurisdiction (For Each Authorized)	Carrier_Fed_OP_Auth_Jurisd. FEDERAL_OP_AUTH_JURISDICTION																
Carrier Credential Data – State Operating Authority																	
Status	Carrier_State_Op_Auth.STATE _OP_AUTH_STATUS																
ID Number	Carrier_State_Op_Auth.STATE_ OP_AUTH_ID																
Date Issued	Carrier_State_Op_Auth.STATE _OP_AUTH_ISSUED_DATE																

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
												Source	Source Availability	Source	Source Availability	Source	Source Availability
Renew Date	Carrier_State_Op_Auth.STATE_OP_AUTH_RENEW_DATE																
Jurisdiction (State)	Carrier_State_Op_Auth.ISSUING_STATE																
Granting Agency	Carrier_State_Op_Auth.STATE_OP_AUTH_AGENCY																
Carrier Credential Data - Permits																	
Status	Carrier_Permit.PERMIT_STATUS								3								
Type	Carrier_Permit.PERMIT_TYPE								3								
ID Number	Carrier_Permit.PERMIT_ ID_ NUMBER								3								
Start Date	Carrier_Permit.PERMIT_START _DATE								3								
Expiration Date	Carrier_Permit.PERMIT_EXPIRE _DATE								3								
ID Number	Carrier_Permit_Jurisdiction.PERMIT_ ID_ NUMBER								3								
Permit Jurisdiction	Carrier_Permit_Jurisdiction.PERMIT_ JURISDICTION								3								
Permit Weight	Carrier_Permit_Jurisdiction.PERMIT_ WEIGHT_CARRIED								3								
Carrier Credential Data – Vehicle Registration																	

Data Description	SAFER Database Table & Field Name (Table.Field)	Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
IRP Account Number	Carrier.IRP_ACCOUNT_NUMBER	1-3					3		3	2-3				MD LSI	FUTURE		
IRP Base Jurisdiction	Carrier.IRP_BASE_STATE	1-3					3		3	2-3				MD LSI	FUTURE		
IRP Check Flag	Carrier.IRP_STATUS_FLAG	1-3					3		3	2-3				MD LSI	FUTURE		
IRP Check Flag Update Date	Carrier.IRP_STATUS_DATE	1-3					3		3	2-3				MD LSI	FUTURE		
Carrier Credential Data – HAZMAT Registration																	
HAZMAT Registration Status	Carrier.HAZMAT_REG_STATUS	1-3							3	2-3		MCMIS	CURRENT				
HAZMAT Status Date	Carrier.HAZMAT_REG_STATUS _DATE	1-3							3	2-3		MCMIS	CURRENT				
HAZMAT Registration Number	Carrier.HAZMAT_REG_NUMBER	1-3							3	2-3							
Date HM Registration	Carrier.HAZMAT_REG_DATE	1-3							3	2-3		MCMIS	CURRENT				
Granting Jurisdiction	Carrier.HAZMAT_REG_BASE_ STATE	1-3							3	2-3							
HAZMAT Passenger Rating	Carrier.HAZMAT_PASSENGER_ SCORE	3		3	3				3			MCMIS	CURRENT				
HAZMAT Passenger Rating Date	Carrier.HAZMAT_PASSENGER_ SCORE _DATE	3		3	3				3			MCMIS	CURRENT				
Carrier Credential Data - Insurance																	

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Insurance Type	Carrier.INSURANCE_TYPE	1-3							3	2-3							
Coverage Level	Carrier.INSURANCE_HAZMAT _LEVEL	1-3							3	2-3							
Coverage Level	Carrier.INSURANCE_COVERAGE _LEVEL	1-3							3	2-3							
Fuel Use Permit Flag	Carrier.FUEL_USE_PERMIT_FLAG	1-3							3	2-3							
Fuel Use Permit Date	Carrier.FUEL_USE_PERMIT_DATE	1-3							3	2-3							
Insurance Primary Record																	
ICC Number	Carrier_Li_primary.DOCKET_ NUMBER	3	3			3			3			L&I	CURRENT				
ICC Number	Carrier_Li_primary.PREFIX	3	3			3			3			L&I	CURRENT				
Insurance Entity Name	Carrier_Li_primary.INSURANCE _ENTITY_NAME	3	3			3			3			L&I	CURRENT				
Insurance DBA Name	Carrier_Li_primary.INSURANCE _DBA_NAME	3	3			3			3			L&I	CURRENT				
Mexican Territory	Carrier_Li_primary.MEXICAN _TERRITORY	3	3			3			3			L&I	CURRENT				
Common Authority Status	Carrier_Li_primary.COMMON_ AUTHORITY_STATUS	3	3			3			3			L&I	CURRENT				
Contract Authority Status	Carrier_Li_primary.CONTRACT_ AUTHORITY_STATUS	3	3			3			3			L&I	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Broker Authority Status	Carrier_Li_primary.BROKER_ AUTHORITY_STATUS	3	3			3			3			L&I	CURRENT				
Liability Insurance Amount	Carrier_Li_primary.LIABILITY_ INSURANCE_AMOUNT	3	3			3			3			L&I	CURRENT				
Liability Insurance Required	Carrier_Li_primary.LIABILITY_ INSURANCE_REQD	3	3			3			3			L&I	CURRENT				
Liability Insurance Status	Carrier_Li_primary.LIABILITY_ INSURANCE_STATUS	3	3			3			3			L&I	CURRENT				
Cargo Insurance Required	Carrier_Li_primary.CARGO_ INSURANCE_REQD	3	3			3			3			L&I	CURRENT				
Cargo Insurance Status	Carrier_Li_primary.CARGO_ INSURANCE_STATUS	3	3			3			3			L&I	CURRENT				
Bond/Trust Fund Required	Carrier_Li_primary.BOND_TRUST _FUND_REQD	3	3			3			3			L&I	CURRENT				
Bond/Trust Fund Status	Carrier_Li_primary.BOND_TRUST_ FUND_STATUS	3	3			3			3			L&I	CURRENT				
Liability Summary Status	Carrier_Li_primary.LIABILITY_ INSURANCE_SUMMARY	3	3			3			3			L&I	CURRENT				
Cargo Summary	Carrier_Li_primary.CARGO_ INSURANCE_SUMMARY	3	3			3			3			L&I	CURRENT				
Bond/Trust Summary	Carrier_Li_primary.BOND_TRUST_ FUND_SUMMARY	3	3			3			3			L&I	CURRENT				
Effective Date	Carrier_Li_primary.DATA_EFECTIVE_ DATE	3	3			3			3			L&I	CURRENT				
Insurance Detail Record																	

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
ICC Number	Carrier_Li_Detail.DOCKET_NUMBER	3				3						L&I	CURRENT				
ICC Number	Carrier_Li_Detail.PREFIX	3				3						L&I	CURRENT				
Insurance Type	Carrier_Li_Detail.INSURANCE_TYPE	3				3						L&I	CURRENT				
Insurer	Carrier_Li_Detail.INSURER	3				3						L&I	CURRENT				
Policy Number	Carrier_Li_Detail.POLICY_NUMBER	3				3						L&I	CURRENT				
Effective Date	Carrier_Li_Detail.POLICY_ EFFECTIVE_DATE	3				3						L&I	CURRENT				
Minimum Coverage Amount	Carrier_Li_Detail.COVERAGE_LOW_ AMOUNT	3				3						L&I	CURRENT				
Maximum Coverage Amount	Carrier_Li_Detail.COVERAGE_HIGH_ AMOUNT	3				3						L&I	CURRENT				
Cancellation Effective Date	Carrier_Li_Detail.CANCELLATION_ EFFECTIVE_DATE	3				3						L&I	CURRENT				
Effective Date	Carrier_Li_Detail.DATA_EFECTIVE_ DATE	3				3						SAFER	CURRENT				
Carrier Credential Data – Fuel Tax																	
IFTA Account Number	Carrier.IFTA_REG_LICENSE_ NUMBER	1-3							3	2-3	3						
IFTA Base Jurisdiction	Carrier.IFTA_REG_BASE_STATE	1-3							3	2-3	3						

Data Description	SAFER Database Table & Field Name (Table.Field)	Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
IFTA Effective Date	Carrier.IFTA_REG_ISSUE_DATE	1-3							3	2-3	3						
IFTA Expiration Date	Carrier.IFTA_REG_EXPIRE_DATE	1-3							3	2-3	3						
IFTA Check Flag	Carrier.IFTA_REG_STATUS	1-3							3	2-3	3						
IFTA Check Flag Update Date	Carrier.IFTA_REG_STATUS_DATE	1-3							3	2-3	3						
Carrier Violation Summary																	
Number of Vehicle Violations (by category) Over Period	Carrier.VIOLATION_BRAKES	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of Vehicle Violations (by category) Over Period	Carrier.VIOLATION_LIGHTS	1-3		2-3					3	2-3		MCMIS	CURRENT				
Number of Vehicle Violations (by category) Over Period	Carrier.VIOLATION_WHEELS	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of Vehicle Violations (by category) Over Period	Carrier.VIOLATION_STEERING	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of Driver Violations (by category) Over Period	Carrier.VIOLATION_MEDICAL_CERTIFICATE	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of Driver Violations (by category) Over Period	Carrier.VIOLATION_LOGS	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of Driver Violations (by category) Over Period	Carrier.VIOLATION_HOURS	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of Driver Violations (by category) Over Period	Carrier.VIOLATION_LICENSE	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
Number of Driver Violations (by category) Over Period	Carrier.VIOLATION_DRUGS	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of Driver Violations (by category) Over Period	Carrier.VIOLATION_TRAFFIC	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of HAZMAT Violations (by category) Over Period	Carrier.VIOLATION_PLACARDS	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of HAZMAT Violations (by category) Over Period	Carrier.VIOLATION_OP_EMER_RESP	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of HAZMAT Violations (by category) Over Period	Carrier.VIOLATION_TANK	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of HAZMAT Violations (by category) Over Period	Carrier.VIOLATION_OTHER	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Number of HAZMAT Violations (by category) Over Period	Carrier.VIOLATION_PAPERS	1-3	1,3	2-3					3	2-3		MCMIS	CURRENT				
Prior Enforcement Cases	Carrier.PRIOR_ENFORCEMENT_CASES	3		3	3				3			MCMIS	CURRENT				
Carrier Last OOS Order History																	
Carrier OOS ID Number	Carrier.OOS_REPORT_NUMBER	1-3							3	2-3		MCMIS	CURRENT				
Carrier OOS Order Date/Time	Carrier.OOS_DATETIME	1-3							3	2-3		MCMIS	CURRENT				
Carrier OOS Order Reason Code	Carrier.OOS_REASON	1-3							3	2-3		MCMIS	CURRENT				
Carrier OOS Status	Carrier.OOS_STATUS	1-3							3	2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Number Reportable Accidents 24-Month	Carrier.RECORDABLE_CRASHES	1-3		2-3					3	2-3		MCMIS	CURRENT				
Number Preventable/Reportable Accidents 24-Month	Carrier.PREVENTABLE_CRASHES	1-3		2-3					3	2-3		MCMIS	CURRENT				
Operating Mileage for Period 24-Month	Carrier.MILEAGE	1-3		2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_MEDICAL_ CERTIFICATE	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_LOGS	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_HOURS	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_DRUG_ALCOHOL	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_LICENSE	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute Driver Violation Indicators by Type	Carrier.REVIEW_TRAFFIC	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute HAZMAT Violation Indicators by Type	Carrier.REVIEW_PAPERS	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute HAZMAT Violation Indicators by Type	Carrier.REVIEW_PLACARDS	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute HAZMAT Violation Indicators by Type	Carrier.REVIEW_CARGO_TANK	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Critical/Acute HAZMAT Violation Indicators by Type	Carrier.REVIEW_OTHER	1-3	1	2-3					3	2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Follow-Up Code	Carrier.FOLLOW_UP_CODE	3		3	3				3			MCMIS	CURRENT				
Carrier Ratable	Carrier.CARRIER_RATABLE	3		3	3							MCMIS	CURRENT				
Review Date	Carrier.REVIEW_DATE	1-3		2-3	3				3	2-3		MCMIS	CURRENT				
Safety Rating	Carrier.SAFETY_RATING	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
Rating Date	Carrier.RATING_DATE	1-3	1,3	2-3	3				3	2-3		MCMIS	CURRENT				
Review Type	Carrier.REVIEW_TYPE	1-3	1	2-3					3	2-3		MCMIS	CURRENT				
Carrier Safety Review History																	
Review Date	Carrier_Review.REVIEW_DATE	2-3		2-3	3				3	2-3		MCMIS	CURRENT				
Rating - History	Carrier_Review.SAFETY_RATING	2-3		2-3	3				3	2-3		MCMIS	CURRENT				
Rating Date	Carrier_Review.RATING_DATE	2-3		2-3	3				3	2-3		MCMIS	CURRENT				
Review Safety Investigator Code	Carrier.REVIEW_INVESTIGATOR_CODE	3		3	3							MCMIS	CURRENT				
Review Type	Carrier_Review.REVIEW_TYPE	2-3		2-3	3				3	2-3		MCMIS	CURRENT				
Safety Rating Factor 1	Carrier_Review.SAFETY_RATING_FACTOR_1	2-3		2-3	3					2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Safety Rating Factor 2	Carrier_Review.SAFETY_RATING_FACTOR_2	2-3		2-3	3					2-3		MCMIS	CURRENT				
Safety Rating Factor 3	Carrier_Review.SAFETY_RATING_FACTOR_3	2-3		2-3	3					2-3		MCMIS	CURRENT				
Safety Rating Factor 4	Carrier_Review.SAFETY_RATING_FACTOR_4	2-3		2-3	3					2-3		MCMIS	CURRENT				
Safety Rating Factor 5	Carrier_Review.SAFETY_RATING_FACTOR_5	2-3		2-3	3					2-3		MCMIS	CURRENT				
Safety Rating Factor 6	Carrier_Review.SAFETY_RATING_FACTOR_6	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review City	Carrier_Review.REVIEW_CITY	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review State	Carrier_Review.REVIEW_STATE	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review Safety Investigator Code	Carrier_Review.REVIEW_INVESTIGATOR_CODE	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review Reason - Initial Contact	Carrier_Review.REVIEW_REASON_INITIAL_CONTACT	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review Reason - Complaint	Carrier_Review.REVIEW_REASON_COMPLAINT	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review Reason - Priority List	Carrier_Review.REVIEW_REASON_PRIORITY_LIST	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review Reason - Enforcement Follow Up	Carrier_Review.REVIEW_REASON_ENF_FOLLOW_UP	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review Reason - Carrier Request	Carrier_Review.REVIEW_REASON_CARRIER_REQUEST	2-3		2-3	3					2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Views										Authoritative Sources					
												National System		Regional / State Systems			
														Maryland State (Example)			
														Interstate		Intrastate	
		Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Not Rated Reason	Carrier_Review.REVIEW_REASON_NOT_RATED	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review Reason - Other	Carrier_Review.REVIEW_REASON_OTHER	2-3		2-3	3					2-3		MCMIS	CURRENT				
Review Reason - Description	Carrier_Review.REVIEW_REASON_OTHER_DESC	2-3		2-3	3					2-3		MCMIS	CURRENT				
Number Reportable Accidents 24-Month	Carrier_Review.RECORDABLE_CRASHES	2-3		2-3	3				3	2-3		MCMIS	CURRENT				
Operating Mileage for Period 24-Month	Carrier_Review.MILEAGE	2-3		2-3	3				3	2-3		MCMIS	CURRENT				
Number of Vehicles Checked from Profile	Carrier_Review.VEH_CHECKED_FROM_PROFILE	2-3		2-3	3					2-3		MCMIS	CURRENT				
Number of OOS Vehicles Checked from Profile	Carrier_Review.OOS_VEH_CHECKED_FROM_PROFILE	2-3		2-3	3					2-3		MCMIS	CURRENT				
Number of Vehicles Checked during Review	Carrier_Review.VEH_CHECKED_DURING_REVIEW	2-3		2-3	3					2-3		MCMIS	CURRENT				
Number of OOS Vehicles Checked during Review	Carrier_Review.OOS_VEH_CHECKED_DURING_REVIEW	2-3		2-3	3					2-3		MCMIS	CURRENT				
Planned Action - Compliance Monitoring	Carrier_Review.PLANNED_ACTION_COMPLIANCE_ MON	2-3		2-3	3					2-3		MCMIS	CURRENT				
Planned Action - Prosecution	Carrier_Review.PLANNED_ACTION_PROSECUTION	2-3		2-3	3					2-3		MCMIS	CURRENT				
Planned Action - OOS Order	Carrier_Review.PLANNED_ACTION_OOS_ORDER	2-3		2-3	3					2-3		MCMIS	CURRENT				
Planned Action - Administrative Handling	Carrier_Review.PLANNED_ACTION_ADMIN_HANDLING	2-3		2-3	3					2-3		MCMIS	CURRENT				

Data Description	SAFER Database Table & Field Name (Table.Field)	Full (Q105)	ISS (Q110)	MCMIS (Q102)	SNET 2K (Q101)	Licensing & Insurance (Q107)	IRP (Q111)	E-Screen Enrollment (Q104)	ROC (Q108)	SAFEVUE (Q103)	IFTA (Q109)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
Planned Action - Other	Carrier_Review.PLANNED_ACTION_OTHER	2-3		2-3	3					2-3							
Planned Action - Other Description	Carrier_Review.PLANNED_ACTION_OTHER_DESC	2-3		2-3	3					2-3							
State Data and Comments																	
Optional State Comment	Carrier.STATE_DATA	1-3		2-3					3	2-3		MCMIS	CURRENT				
Carrier Electronic Screening Enrollment																	
Activity ID	Carrier_Escreen.ACTIVITY_CODE	3						3	3					MD CI	FUTURE		
Jurisdiction ID	Carrier_Escreen.JURISDICTION_CODE	3						3	3					MD CI	FUTURE		
Carrier Action	Carrier_Escreen.CARRIER_ACTION	3						3	3					MD CI	FUTURE		
Carrier Action Date	Carrier_Escreen.CARRIER_ACTION_DATE	3						3	3					MD CI	FUTURE		
Jurisdiction Action	Carrier_Escreen.JURISDICTION_ACTION	3						3	3					MD CI	FUTURE		
Jurisdiction Action Date	Carrier_Escreen.JURISDICTION_ACTION_DATE	3						3	3					MD CI	FUTURE		

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Appendix B: Vehicle Snapshot

Data Description	SAFER Database Table & Field Name (Table, Field)	Views						Authoritative Sources					
								National System		Regional / State Systems			
										Maryland State (example)			
										Interstate		Intrastate	
		FULL (Q303)	E-Screen Enrollment (Q30 5)	IRP with TagId (304)	Inspection (Q302)	Roadside (Q301)	IRP No TagId (306)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Vehicle ID Section													
Date of Last Update	Vehicle.LAST_UPDATE_DATE	2-3		2-3	2-3	2-3	3			MD LSI	CURRENT		
Vehicle Identification Number	Vehicle.VIN	2-3	3	2-3	2-3	2-3	3			MD LSI	CURRENT		
Vehicle Plate ID:													
Jurisdiction Code	Vehicle.LICENSE_PLATE_STATE	2-3			2-3	2-3				MD LSI	CURRENT		
License Plate ID	Vehicle.LICENSE_PLATE_NUMBER	2-3		2-3	2-3	2-3	3			MD LSI	CURRENT		
Titling Jurisdiction	Vehicle.TITLE_JURISDICTION	3		3		3	3			MD LSI	CURRENT		
Title Number	Vehicle.TITLE_NUMBER	3		3		3	3			MD LSI	CURRENT		
Registration base jurisdiction	Vehicle.IRP_BASE_STATE	2-3		2-3	2-3	2-3	3			MD LSI	CURRENT		

Data Description	SAFER Database Table & Field Name (Table, Field)	FULL (Q303)	E-Screen Enrollment (Q305)	IRP with TagId (304)	Inspection (Q302)	Roadside (Q301)	IRP No TagId (306)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
Unit Number	Vehicle.UNIT_NUMBER	2-3		2-3		2-3	3			MD LSI	CURRENT		
Transponder ID:													
Transponder Serial Number (Flag = 0)	Vehicle.TRANSPONDER_NUMBER	2-3	3	2-3		2-3				MD CI	FUTURE		
Vehicle Owner	Vehicle.OWNER_NAME	2-3		2-3		2-3	3			MD LSI	CURRENT		
Vehicle Operator	Vehicle.OPERATOR_NAME	2-3		2-3		2-3	3			MD LSI	CURRENT		
Registration Carrier Identifier:													
Carrier Specific ID: USDOT	Vehicle.CVIS_DEFAULT_CARRIER	2-3	3	2-3		2-3	3			MD LSI	CURRENT		
Jurisdiction Code:	Vehicle.DEFAULT_ISSUING_AUTHORITY	2-3		2-3		2-3	3			MD CI	FUTURE		
Carrier Terminal ID	Vehicle.DEFAULT_TERMINAL_ID	2-3		2-3		2-3	3			MD CI	FUTURE		
Vehicle Description													
Equipment Type	Vehicle.TYPE	2-3		2-3		2-3	3			MD LSI	CURRENT		
Make	Vehicle.MAKE	2-3		2-3		2-3	3			MD LSI	CURRENT		

Data Description	SAFER Database Table & Field Name (Table, Field)	FULL (Q303)	E-Screen Enrollment (Q30 5)	IRP with TagId (304)	Inspection (Q302)	Roadside (Q301)	IRP No TagId (306)	National System Source	National System Source Availability	Interstate Source	Interstate Source Availability	Intrastate Source	Intrastate Source Availability
Views / Authoritative Sources								**National System**		**Maryland State (example) Interstate**		**Intrastate**	
Model	Vehicle.MODEL	2-3		2-3		2-3	3			MD LSI	CURRENT		
Year	Vehicle.MODEL_YEAR	2-3		2-3		2-3	3			MD LSI	CURRENT		
Vehicle Gross Weight	Vehicle.GVW	2-3		2-3		2-3	3			MD LSI	CURRENT		
Unladen Weight	Vehicle.UNLADEN_WEIGHT	2-3		2-3		2-3	3			MD LSI	CURRENT		
Number of Axles/Seats	Vehicle.NUMBER_OF_AXLES	2-3		2-3		2-3	3			MD LSI	CURRENT		
Type of Fuel	Vehicle.FUEL	2-3		2-3		2-3	3			MD LSI	CURRENT		
Flags and Check Flags													
NMVTIS Check Flag	Vehicle.NMVTIS_CHECK_FLAG	2-3				2-3							
NMVTIS Check Flag Update Date	Vehicle.NMVTIS_CHECK_DATE	2-3				2-3							
IRP Check Flag	Vehicle.IRP_CHECK_FLAG	2-3		2-3		2-3	3			MD LSI	CURRENT		
IRP Check Flag Update Date	Vehicle.IRP_CHECK_DATE	2-3		2-3		2-3	3			MD LSI	CURRENT		
Vehicle Credential Data - Registration													

Data Description	SAFER Database Table & Field Name (Table, Field)	Views						Authoritative Sources						
								National System		Regional / State Systems				
										Maryland State (example)				
										Interstate		Intrastate		
		FULL (Q303)	E-Screen Enrollment (Q30 5)	IRP with TagId (304)	Inspection (Q302)	Roadside (Q301)	IRP No TagId (306)	Source	Source	Availability	Source	Source Availability	Source	Source Availability
Registration Number / IRP Account Number	Vehicle.IRP_ACCOUNT_NUM	2-3		2-3		2-3	3				MD LSI	CURRENT		
Registration Effective Date	Vehicle.REGISTRATION_START_DATE	2-3		2-3		2-3	3				MD LSI	CURRENT		
Registration Expiration Date	Vehicle.REGISTRATION_EXPIRE_DATE	2-3		2-3		2-3	3				MD LSI	CURRENT		
Jurisdictions and Weights														
IRP Jurisdiction for Each State	Vehicle_irp_juris.IRP_JURISDICTION	2-3		2-3		2-3	3				MD LSI	CURRENT		
IRP Weight for Each State	Vehicle_irp_juris.IRP_WEIGHT_CARRIED	2-3		2-3		2-3	3				MD LSI	CURRENT		
Vehicle Credential Data -Trip Permit(s)														
Permit Type	Vehicle_permit.PERMIT_TYPE	2-3				2-3								
Permit ID	Vehicle_permit.PERMIT_NUMBER	2-3				2-3								
Permit Effective Date	Vehicle_permit.PERMIT_START_DATE	2-3				2-3								
Permit Expiration Date	Vehicle_permit.PERMIT_EXPIRE_DATE	2-3				2-3								

Data Description	SAFER Database Table & Field Name (Table, Field)	FULL (Q303)	E-Screen Enrollment (Q305)	IRP with TagId (304)	Inspection (Q302)	Roadside (Q301)	IRP No TagId (306)	National System Source	National System Source Availability	Maryland Interstate Source	Maryland Interstate Source Availability	Maryland Intrastate Source	Maryland Intrastate Source Availability
Cargo Type	Vehicle_permit.PERMIT_CARGO_TYPE	2-3				2-3							
Cargo Format	Vehicle_permit.PERMIT_CARGO_FORMAT	2-3				2-3							
Cargo Weight	Vehicle_permit.PERMIT_CARGO_WEIGHT	2-3				2-3							
Cargo Width	Vehicle_permit.PERMIT_CARGO_WIDTH	2-3				2-3							
Cargo Length	Vehicle_permit.PERMIT_CARGO_LENGTH	2-3				2-3							
Cargo Height	Vehicle_permit.PERMIT_CARGO_HEIGHT	2-3				2-3							
Cargo Overall Length	Vehicle_permit.PERMIT_CARGO_OVERALL_LENGTH	2-3				2-3							
Cargo Front Projection	Vehcile_PERMIT.PERMIT_CARGO_PROJECT_FRONT	2-3				2-3							
Cargo Rear Projection	Vehicle_permit.PERMIT_CARGO_PROJECT_REAR	2-3				2-3							
Registered Axle Spacings	Vehicle_permit.PERMIT_VEHICLE_AXLE_CONFIG	2-3				2-3							
Permit Restrictions													
Key for Permit Restrictions Table	Vehicle_permit_restrictions.PERMIT_NUMBER	**				**							
Permit Restriction	Vehicle_permit_restrictions.PERMIT_RESTRICTION	2-3				2-3							

Data Description	SAFER Database Table & Field Name (Table, Field)	FULL (Q303)	E-Screen Enrollment (Q30 5)	IRP with TagId (304)	Inspection (Q302)	Roadside (Q301)	IRP No TagId (306)	National System Source	National System Source Availability	Maryland Interstate Source	Maryland Interstate Source Availability	Maryland Intrastate Source	Maryland Intrastate Source Availability
Permit Weights													
Key for Permit Weights Table	Vehicle_permit_weights.PERMIT_NUMBER	**				**							
Permit Jurisdictions	Vehicle_permit_weights.PERMIT_JURISDICTION	2-3				2-3							
Permit Weights	Vehicle_permit_weights.PERMIT_WEIGHT_ CARRIED	2-3				2-3							
Vehicle Last Inspection Overview													
Inspection Date/Time	Vehicle.INSPECTION_DATETIME	2-3			2 - 3	2-3		ASPEN	CURRENT				
Inspection Location	Vehicle.INSPECTION _LOCATION	2-3			2 - 3	2-3		ASPEN	CURRENT				
Inspection Report ID	Vehicle.INSPECTION_RPTNUM	2-3			2 - 3	2-3		ASPEN	CURRENT				
Inspection Carrier US DOT #	Vehicle.CARRIER_ID_NUMBER	2-3			2 - 3	2-3		ASPEN	CURRENT				
Inspection Carrier Issuing Authority	Vehicle.CARRIER_ISSUING_AUTHORITY	2-3			2 - 3	2-3		ASPEN	CURRENT				
Inspection Terminal ID	Vehicle.TERMINAL_ID	2-3			2 - 3	2-3		ASPEN	CURRENT				
Inspection State Assigned Carrier Census Number	Vehicle.CARRIER_STATE_ID	2-3				2-3		ASPEN	CURRENT				

Data Description	SAFER Database Table & Field Name (Table, Field)	Views						Authoritative Sources					
								National System		Regional / State Systems			
										Maryland State (example)			
										Interstate		Intrastate	
		FULL (Q303)	E-Screen Enrollment (Q30 5)	IRP with TagId (304)	Inspection (Q302)	Roadside (Q301)	IRP No TagId (306)	Source	Source Availability	Source	Source Availability	Source	Source Availability
CVSA Decal Issued (Yes/No)	Vehicle.CVSA_CERT_FLAG	2-3			2 - 3	2-3		ASPEN	CURRENT				
Date CVSA Decal Expires	Vehicle.CVSA_EXPIRE_DATE	2-3				2-3		ASPEN	CURRENT				
OOS Flag	Vehicle.INSPECTION_OOS_FLAG	2-3			2-3	2-3		ASPEN	CURRENT				
Driver OOS Order ID / Report ID	Vehicle.OOS_RPTNUM	2-3			2-3	2-3		ASPEN	CURRENT				
Driver Out of Service 'Until' Info	Vehicle.OOS_UNTIL	2-3			2-3	2-3		ASPEN	CURRENT				
Vehicle OOS Order Date/Time	Vehicle.OOS_DATETIME	2-3			2-3	2-3		ASPEN	CURRENT				
Date/time Vehicle OOS Repair Verified	Vehicle.OOS_VERIFY_DATE	2-3			2-3	2-3		ASPEN	CURRENT				
OOS Reason Codes													
Key to Vehicle Reason Table	Vehicle_reason.OOS_RPTNUM	**			**	**							
OOS Order Reason Code	Vehicle_reason.OOS_VIOLATION_REASON	2-3			2-3	2-3		ASPEN	CURRENT				

Data Description	SAFER Database Table & Field Name (Table, Field)	Views						Authoritative Sources					
								National System		Regional / State Systems			
										Maryland State (example)			
										Interstate		Intrastate	
		FULL (Q303)	E-Screen Enrollment (Q30 5)	IRP with TagId (304)	Inspection (Q302)	Roadside (Q301)	IRP No TagId (306)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Vehicle Inspection & Violation Summary													
Inspection Date Start	Vehicle.INSP_SUM_START_DATE	2-3			2-3	2-3		ASPEN	CURRENT				
Inspection Date End	Vehicle.INSP_SUM_END_DATE	2-3			2-3	2-3		ASPEN	CURRENT				
Number of Inspections with HAZMAT Present Over Period	Vehicle.INSP_SUM_HM_INSPS	2-3			2-3	2-3		ASPEN	CURRENT				
Total Number of Inspections Present Over Period	Vehicle.INSP_SUM_INSPECTION_TOTAL	2-3			2-3	2-3		ASPEN	CURRENT				
Number of OOS Inspections, Vehicle	Vehicle.INSP_SUM_OOS_VEH_INSPS	2-3			2-3	2-3		ASPEN	CURRENT				
Number of Vehicle OOS Orders Over Period	Vehicle.INSP_SUM_OOS_ORDER_COUNT	2-3			2-3	2-3		ASPEN	CURRENT				
Number of Vehicle OOS Violations Over Period	Vehicle.INSP_SUM_OOS_VIOL_COUNT	2-3			2-3	2-3		ASPEN	CURRENT				
Vehicle Electronic Screening Enrollment													

Data Description	SAFER Database Table & Field Name (Table, Field)	Views						Authoritative Sources					
								National System		Regional / State Systems			
										Maryland State (example)			
										Interstate		Intrastate	
		FULL (Q303)	E-Screen Enrollment (Q305)	IRP with TagId (304)	Inspection (Q302)	Roadside (Q301)	IRP No TagId (306)	Source	Source Availability	Source	Source Availability	Source	Source Availability
Activity ID	Vehicle_escreen.ACTIVITY_CODE	3	3			3				MD CI	FUTURE		
Jurisdiction ID	Vehicle_escreen.JURISDICTION_CODE	3	3			3				MD CI	FUTURE		
Vehicle Action	Vehicle_escreen.VEHICLE _ACTION	3	3			3				MD CI	FUTURE		
Vehicle Action Date	Vehicle_escreen.VEHICLE_ACTION_DATE	3	3			3				MD CI	FUTURE		
Jurisdiction Action	Vehicle_escreen.JURISDICTION_ACTION	3	3			3				MD CI	FUTURE		
Jurisdiction Action Date	Vehicle_escreen.JURISDICTION_ACTION_DATE	3	3			3				MD CI	FUTURE		

Safety and Fitness Electronic Records (SAFER) System
and
Commercial Vehicle Information Exchange Window (CVIEW)

Carrier, Vehicle, and Driver Snapshots
Baseline Version

Appendix C.
Allowable Values For Data Elements

The following pages summarize the allowable values for data elements that are validated before inclusion in the snapshot database. The tables represent the allowable values that are checked by the SAFER/CVIEW application software.

Appendix C

This appendix describes allowable values for entries in the snapshot for which validation is done.

Table C-1. Allowable Values for Cargo Entries

CAR	DESCRIPTION
UT	Utilities
CS	Construction
WW	Water Well
AG	Agriculture/Farm
BM	Building Materials
BV	Beverages
CC	Coal, Coke
CH	Chemicals
DB	Commodities Dry Bulk
DT	Drive-Away, Tow-Away
GB	Garbage, Refuse, Trash
GF	General Freight
GH	Grain, Feed, Hay
HG	Household Goods
IM	Intermodal Cont.
LG	Liquids/Gases
LM	Logs, Poles, Beams, Lumber
LS	Livestock
MC	Machinery Large Objects
MH	Mobile Homes
ML	Metal
MT	Meat
MV	Motor Vehicles

OE	Oilfield Equipment
PD	Fresh Produce
PP	Paper Products
PS	Passengers
RF	Refrigerated Food
UM	US Mail
ZZ	Other

Table C-2. Allowable Values For Car_Veh_Action Entries

COD	DESCRIPTION
E01	Participation Requested

Table C-3. Allowable Values For Carrier Class Entries

CLA	DESCRIPTION
01	Authorized For Hire
05	Exempt For Hire
07	Federal Government
08	Indian Tribe
19	Local Government
20	Migrant
21	Other
24	Private Passenger (Business)
25	Private (Property)
26	Private Passenger (Non-Business)
28	State Government
29	US Mail

Table C-4. Allowable Values For HAZMAT Entries

HAZ	DESCRIPTION
01	Division 1.1 Explosives
02	Division 1.2 Explosives

03	Division 1.3 Explosives
04	Division 1.4 Explosives
05	Division 1.5 Explosives
06	Division 1.6 Explosives
07	Division 2.1 Flammable Gas
08	Division 2.2 Nonflammable Gas
09	Division 2.3 Poisonous Gas
10	Class 3 Flammable Liquid
11	Division 4.1 Flammable Solid
12	Division 4.2 Spontaneous Combustible
13	Division 4.3 Dangerous When Wet
14	Division 5.1 Oxidizer
15	Division 5.2 Organic Peroxide
16	Division 6.1 Poison Liquid
17	Division 6.1 Solids
18	Division 6.2 Infectious Substance
19	Class 7 Radioactive Material
20	Class 7 Highway Route Controlled Quantity of Radioactive Material
21	Class 8 Corrosive Material
22	Class 9 Miscellaneous Hazardous Material
23	Division 6.1 Zone A
24	Class 3 Combustible Liquid
25	Class 9 Hazardous Substance
26	Class 9 Hazardous Waste
27	Other Regulated Material (ORM-D)
28	Class 9 Elevated Temperature Material
29	Class 9 Marine Pollutants
30	Division 2.1 Liquefied Petroleum Gas

31	Division 2.1 Methane Gas
32	Division 2.2 Anhydrous Ammonia
33	Division 2.3 Zone A
34	Division 2.3 Zone B
35	Division 2.3 Zone C
36	Division 2.3 Zone D
37	Class 3 Zone A
38	Class 3 Zone B
39	Division 6.1 Zone B
40	Class 8 Zone A
41	Class 8 Zone B
42	Class 9 Infectious Waste

Table C-5. Allowable Values For Jurisdiction_Action Entries

COD	DESCRIPTION
S28	Approved
S29	Rejected
S30	Temporary Approved
S31	Temporary Rejection

Table C-6. Allowable Values For Jurisdiction_Activity Entries

CO	DESCRIPTION
10	EScreen

Table C-7. Allowable Values For Jurisdiction Entries

COUN	COUN	ST	CO	STATE_PROVINCE_NAME
USAL	US01	AL	US	Alabama
USAK	US02	AK	US	Alaska
USAZ	US04	AZ	US	Arizona
USAR	US05	AR	US	Arkansas

```
USCA US06 CA US California
```

```
USCO US08 CO US Colorado
```

```
USCT US09 CT US Connecticut
```

```
USDE US10 DE US Delaware
```

```
USDC US11 DC US District of Columbia
```

```
USFL US12 FL US Florida
```

```
USGA US13 GA US Georgia
```

```
USHI US15 HI US Hawaii
```

```
USID US16 ID US Idaho
```

```
USIL US17 IL US Illinois
```

```
USIN US18 IN US Indiana
```

```
USIA US19 IA US Iowa
```

```
USKS US20 KS US Kansas
```

```
USKY US21 KY US Kentucky
```

```
USLA US22 LA US Louisiana
```

```
USME US23 ME US Maine
```

```
USMD US24 MD US Maryland
```

```
USMA US25 MA US Massachusetts
```

```
USMI US26 MI US Michigan
```

```
USMN US27 MN US Minnesota
```

```
USMS US28 MS US Mississippi
```

```
USMO US29 MO US Missouri
```

```
USMT US30 MT US Montana
```

```
USNE US31 NE US Nebraska
```

```
USNV US32 NV US Nevada
```

```
USNH US33 NH US New Hampshire
```

```
USNJ US34 NJ US New Jersey
```

```
USNY US36 NY US New York
```

```
USNC US37 NC US North Carolina

USND US38 ND US North Dakota

USOH US39 OH US Ohio

USOK US40 OK US Oklahoma

USOR US41 OR US Oregon

USPA US42 PA US Pennsylvania

USRI US44 RI US Rhode Island

USSC US45 SC US South Carolina

USSD US46 SD US South Dakota

USTN US47 TN US Tennessee

USTX US48 TX US Texas

USUT US49 UT US Utah

USVT US50 VT US Vermont

USVA US51 VA US Virginia

USWA US53 WA US Washington

USWV US54 WV US West Virginia

USWI US55 WI US Wisconsin

USWY US56 WY US Wyoming

USAS US60 AS US American Samoa

USFM US64 FM US Federated States of Micronesia

USGU US66 GU US Guam

USMH US68 MH US Marshall Islands

USMP US69 MP US Northern Mariana Islands

USPW US70 PW US Palau

USPR US72 PR US Puerto Rico

USUM US74 UM US U.S. Minor Outlying Islands

USVI US78 VI US Virgin Islands of the U.S.

CAAB CA01 AB CA Alberta
```

```
CABC CA02 BC CA British Columbia
```

```
CAMB CA03 MB CA Manitoba
```

```
CANB CA04 NB CA New Brunswick
```

```
CANF CA05 NF CA Newfoundland
```

```
CANT CA06 NT CA Northwest Territory
```

```
CANS CA07 NS CA Nova Scotia
```

```
CAON CA08 ON CA Ontario
```

```
CAPE CA09 PE CA Prince Edward Island
```

```
CAPQ CA10 QC CA Quebec
```

```
CASN CA11 SK CA Saskatchewan
```

```
CAYT CA12 YT CA Yukon Territory
```

```
MXAG MX01 AG MX Aguascalientes
```

```
MXBA MX02 BN MX Baja California Norte
```

```
MXBJ MX03 BS MX Baja California Sur
```

```
MXCM MX04 CP MX Campeche
```

```
MXCI MX05 CS MX Chiapas
```

```
MXCH MX06 CI MX Chihuahua
```

```
MXCU MX07 CH MX Coahuila de Zaragoza
```

```
MXCL MX08 CL MX Colima
```

```
MXDF MX09 DF MX Distrito Federal
```

```
MXDO MX10 DG MX Durango
```

```
MXGT MX11 GJ MX Guanajuato
```

```
MXGR MX12 GE MX Guerrero
```

```
MXHL MX13 HD MX Hidalgo
```

```
MXJL MX14 JA MX Jalisco
```

```
MXMX MX15 MX MX Mexico
```

```
MXMC MX16 MC MX Michoacan de Ocampo
```

```
MXMR MX17 MR MX Morelos
```

MXNA MX18 NA MX Nayarit
MXNL MX19 NL MX Nuevo Leon
MXOA MX20 OA MX Oaxaca
MXPB MX21 PU MX Puebla
MXQU MX22 QE MX Queretaro de Arteaga
MXQR MX23 QI MX Quintana Roo
MXSL MX24 SL MX San Luis Potosi
MXSI MX25 SI MX Sinaloa
MXSO MX26 SO MX Sonora
MXTB MX27 TB MX Tabasco
MXTA MX28 TA MX Tamaulipas
MXTL MX29 TL MX Tlaxcala
MXVC MX30 VC MX Veracruz-Llave
MXYU MX31 YU MX Yucatan
MXZA MX32 ZA MX Zacatecas
OTOT OT99 OT OT Other than US, CA and MX

Table C-8. Allowable Values For LI_Authority_Status Entries

C DESCRIPTION
A Active
I Inactive
N None
U Unknown

Table C-9. Allowable Values For LI_Insurance_reqd Entries

C DESCRIPTION
Y Yes
N No
U Unknown

Table C-10. Allowable Values For LI_insurance_Status Entries

C DESCRIPTION
0 Invalid
1 Valid
U Unknown

Table C-11. Allowable Values For LI_Insurance_Type Entries

C DESCRIPTION
1 BIPD
2 Cargo
3 Surety
4 Trust Fund

Table C-12. Allowable Values For LI_Mex_Comm_Zone Entries

CO DESCRIPTION
01 TEXAS ZONE
02 CALIFORNIA ZONE
03 ARIZONA ZONE
04 UNITED STATES ZONE
05 CAMERON, HIDALGO, STARR AND WILLACY COUNTIES, TX ZONE
06 MULTIPLE STATES ZONE
07 NEW MEXICO ZONE
08 BETWEEN POINTS IN CALIFORNIA
09 BETWEEN POINTS IN TEXAS
10 BETWEEN POINTS IN CALIFORNIA AND ARIZONA
11 BETWEEN POINTS IN THE UNITED STATES
12 BETWEEN POINTS IN ARIZONA
00 UNKNOWN

Safety and Fitness Electronic Records (SAFER) System
and
Commercial Vehicle Information Exchange Window
(CVIEW)

Carrier, Vehicle, and Driver Snapshots
Baseline Version

Appendix D.

Snapshot Concepts Viewgraphs

The following pages summarize the contents of this paper in viewgraph form. They are included as a convenient mechanism for readers to present the concepts

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CVISN Concepts:
What are snapshots and how are they built?
Presentation Outline

- Snapshot fundamental principles & operational concepts
- Definition of Snapshot-Related Terms
  - SAFER & CVIEW
  - SAFER/CVIEW Snapshots & Reports
  - Other terms related to categories of data
- Snapshots and reports provide the standard information from multiple authoritative sources that systems and people need
- Snapshot Data Stored in SAFER/CVIEW
- How Snapshots Are Maintained and Accessed
- Method for handling DMV Data in SAFER/CVIEW Snapshots

Snapshots: Fundamental Principles

- **Three types: carrier, vehicle & driver (future)**
- **SAFER manages interstate snapshots**
- **State CVIEWs (or equivalent) manage intrastate and interstate snapshots**
- **Snapshots were primarily designed to support roadside electronic screening; many other uses have emerged**
- **Routinely distributed according to subscription criteria**
- **Also available for near-immediate response to a query**
- **Authoritative sources contribute specific segments of data proactively to snapshots, sometimes via indirect source systems**
- **Contain summary safety data, plus the equivalent of decals and paper documents carried on commercial vehicles today**
- **Data are stored in SAFER or CVIEW**
- **SAFER and CVIEW do not store copies of data readily available to SAFER/CVIEW users from other on-line systems.**

SAFER/CVIEW Operational Concepts

1. Carriers, vehicles, and drivers may operate intrastate or interstate.
2. SAFER provides snapshots and reports on interstate operators to authorized users.
3. SAFER snapshots are provided to users based upon subscription or interactive request. Subscription criteria are defined by each user. The normal means of snapshot distribution is based on the subscription lists.
4. By including the data equivalent to the decals and paper documents carried on commercial vehicles today as part of the snapshots, SAFER supports the notion of the paperless vehicle.
5. MCMIS provides safety data to SAFER for interstate carriers.
6. The State CVIEW usually acts as the single point of contact within the state for providing interstate snapshot segment and report inputs to SAFER, and for retrieving interstate snapshots and reports from SAFER.
7. Some authoritative sources not equipped to handle a high volume of information requests send check flags to CVIEW/SAFER. The check flags are based on criteria that are common across jurisdictions. Each authoritative source sets their flag proactively.
8. The State CVIEW assembles and stores snapshots for intrastate carriers, vehicles, and drivers(future).
9. The State CVIEW manages interstate snapshots for vehicles that operate in the state.
10. The State CVIEW provides snapshots to roadside sites and other users within the state.
11. Data available from an on-line source are not part of snapshots. Such data may be included in reports.
12. The state CVIEW and/or SAFER will provide support for retrieving recent inspection reports
13. Snapshot users should always check with the authoritative source (perhaps through SAFER or CVIEW) prior to any enforcement action.
14. The SAFER Option Working Group (SOWG) is looking into options and concepts for using SAFER only. This group is also looking into alternative strategies for exchanging snapshots.

Definition of Snapshot-Related Terms:

SAFER (Safety and Fitness Electronic Record) System

A multi-state system that provides standardized carrier, vehicle, and driver(future) datasets(snapshots and reports) containing limited safety and credentials information to authorized users. The system is under development by FMCSA. SAFER is designed as an on-line system that will be available to users over a nationwide data network. SAFER will return an interstate carrier, vehicle, and/or driver snapshot to the requester within a few seconds. The design goal for a query response for a single record is ten seconds or less 90% of the time; this goal does not account for dial-up time, if that communications mode is selected.

SAFER/CVIEW Snapshots

A collection of carrier, vehicle, and driver(future) information assembled from authoritative or indirect sources. Snapshots reflect the state of those data when the information was provided to SAFER/CVIEW. SAFER assembles snapshots for interstate carriers and vehicles. SAFER assembles snapshots for drivers(future) who enter the system through inspections, clearance programs, or the state driver licensing process. The base state CVIEW assembles snapshots for intrastate carriers, vehicles, and drivers. Snapshot data *are stored* in SAFER or CVIEW. Generally, the assembly and transmission are accomplished using ANSI ASC X12 EDI transaction set (TS) 285.

CVIEW (Commercial Vehicle Information Exchange Window) System

A system in each state that collects information from the CV safety, credentialing, and tax systems to form the segments of the *interstate* carrier, vehicle, and driver(future) snapshots and reports for exchange within the state (e.g., with roadside sites) and with the SAFER system. The state CVIEW provides *whole* snapshots and reports for *intrastate* operators. The system is a spin-off of SAFER.

SAFER/CVIEW Reports

Assembled in each state that responds to a user query; these generally contain more detailed information than a snapshot. The plate-defined reports assembled by SAFER or CVIEW from authoritative sources are not stored in SAFER or CVIEW. They are also transmitted using the ANSI ASC X12 EDI transactions, primarily using TS 284, Commercial Vehicle Safety Reports. Not all data held by authoritative sources can be accessed using SAFER/CVIEW and ANSI ASC X12 EDI transactions, due to intentional limitations in the transaction set design. Data made available by an on-line system may be included in SAFER/CVIEW reports, but will not be part of snapshots.

Definition of Snapshot-Related Terms:

Identification & Census Data

Data used to distinguish one carrier, vehicle, or driver from another. The information is factual rather than evaluative.

Historical Safety & Credential Information

Information that characterizes the past safety performance of the carrier or driver; information about the carrier's or the vehicle's credentials, such as registration.

Check Flags

Indicator set by the authoritative source to alert users that there has recently (e.g., within a day or a week) been some problem with the associated credential. Since the check flag does not attempt to reflect up-to-the-minute status, the problem may have been resolved and the flag not yet reset by the source.

Current Safety Status

Most recent safety indicators, for instance, out-of-service (OOS) status.

Permit Data

The equivalent of the paper documents issued to the holder to authorize some special activity, such as the carrying of oversize, overweight, or HazMat loads**.**

Definition of Snapshot-Related Terms:

Other Credential Data

Data about other credentials such as fuel tax, carrier registration, HazMat, etc.

Detail

The lowest level of information available; may be raw input from the original source, or corrected based on update from the source, or from a review by an evaluative agency

Summary

Information computed/determined/inferred from details.

View

A subset of the snapshot data stored in SAFER/CVIEW, tailored to a specific purpose. A view is used to define the data to be sent to/from SAFER/CVIEW via the TS 285 Transaction. Data sent from SAFER/CVIEW utilizes a defined output view to describe the portion of the snapshot the requestor will receive. The following Carrier snapshot views are currently defined: Full, ISS, MCMIS, SNET 2K, Licensing & Insurance, IRP, E-screening Enrollment, ROC, SAFEVUE, IFTA. The following vehicle snapshot views are defined: Full, IRP with and without TagId, Inspection, Roadside, and E-screening Enrollment.

Definition of Snapshot-Related Terms:

Snapshot Segment
Describes the portion of a snapshot being sent to SAFER from an authoritative source. Data sent to SAFER/CVIEW utilizes an input view to describe what data is being sent for use in updating or creating snapshot.
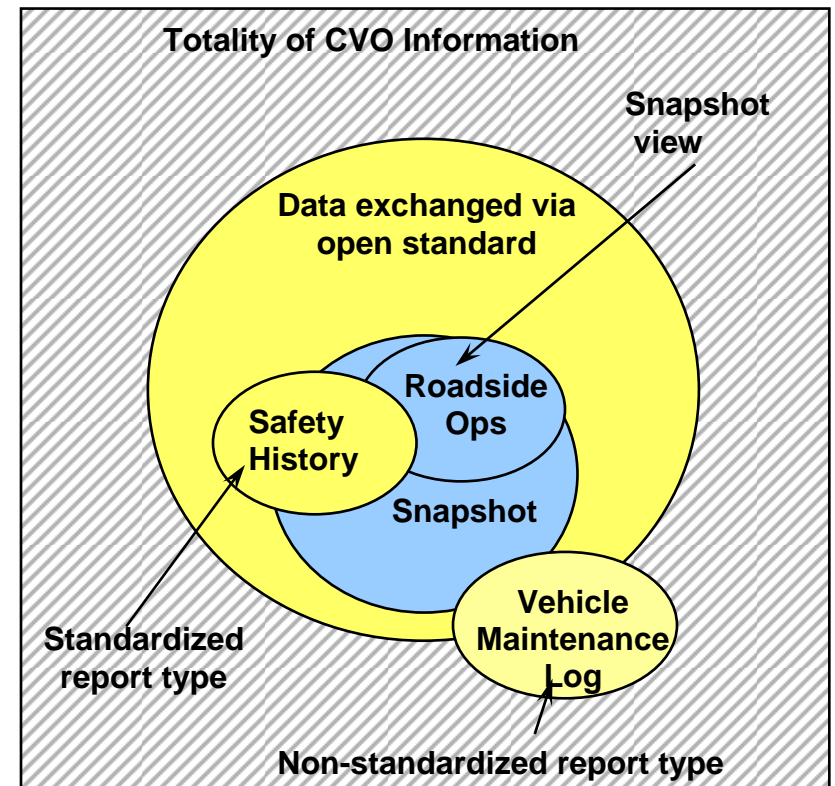
Authoritative Source
Authoritative sources are information systems that can provide the correct response to a question. The authoritative source is the final arbiter in case of conflicts about data validity. Each jurisdiction identifies an authoritative source for each data element.

Indirect Source
An indirect source acts on behalf of an authoritative source to answer questions.

Snapshots and reports provide the standard information from multiple authoritative sources that systems and people need

ს **SAFER/CVIEW Snapshots for Carrier, Vehicle, and Driver(Future)**
  - **Contain identifier/census data, limited safety and credential information**
  - **Used primarily by systems to support making quick decisions**
  - **Different views support different system users**
  - **Assembled from proactive inputs from multiple sources**
  - **Snapshot data are stored by SAFER/CVIEW**
  - **Transmitted via flat-file, Remote Procedure Calls, or EDI X12 ASC transaction set 285**

ს **Standardized Carrier, Vehicle, and Driver (Future) Safety Reports**
  - **Contain more details than snapshot, but not necessarily the complete set of information available**
  - **Used when timeliness of query response is less critical**
  - **Used primarily by people when snapshot does not provide all the needed information**
  - **Different views support different people/functions**
  - **Assembled from interactive inputs from multiple sources by SAFER/CVIEW**
  - **Generally not stored by SAFER/CVIEW**
  - **Transmitted via flat-file**

Totality of CVO Information

Snapshot view

Data exchanged via open standard

Roadside Ops

Safety History

Snapshot

Standardized report type

Vehicle Maintenance Log

Non-standardized report type

Snapshot Data Stored in SAFER/CVIEW

Data → ↓Snapshot	Identifier/Census Data	Safety Information	Credential Information
Carrier	🟢 [1]Primary Carrier ID; 🟢 Other IDs (e.g., Taxpayer ID, DUNS, IRP account, etc.); 🟢 Names; 🟢 Addresses; 🟢 Type; 🟢 Operations Characterization	🟢 Safety Ratings; 🟢 Accident, Inspection & Violation Summaries; 🟢 Safety Review History; 🟢 [1] Last OOS; 🟢 PRISM Data	🟢 Carrier Registration; Fuel Tax Data 🟢 Insurance Data; HazMat Registration; [1]Permit Data; Electronic Screening Enrollment; Carrier Check Flags (e.g., IRP & IFTA flags)
Vehicle	🟢 [1]VIN; 🟢 [1]Vehicle Plate ID Other IDs (e.g., Plate, IRP Account, CVIS Default Carrier, Transponder, Title Number); Vehicle Description	🟢 Last Inspection Overview; 🟢 Inspection & Violation Summaries; 🟢 [1]Last OOS; 🟢 CVSA Decal Data; PRISM Data	🟢 Apportionment (i.e. Cab Card Data); [1]Permit Data; Electronic Screening Enrollment; 🟢 Vehicle Check Flags: (e.g., Registration Check Flag)
Driver (Future)	[1]Driver Unique ID; [1]Home State; Names; Address; DOB, Sex; Citizenship	Last Inspection Overview; Accident Summary; Inspection & Violation Summaries; [1]Last OOS	Driver Check Flags (e.g., DMV Check Flag)

🟢 As of April 2001, fields populated in the SAFER database for interstate
Note: 1 = Data are current; all other data are historical

How Snapshots Are Maintained and Accessed

SAFER/CVIEW Snapshots are updated proactively

- The authoritative source is responsible for keeping the data in snapshots up-to-date.
- Snapshot updates from the source will be in the form of replacement snapshot segments defined by a view for those carriers, vehicles, or drivers (future) for which the data have changed. The replacement segments will contain all of the data the source system normally provides to the snapshots
- The source systems will not normally update all snapshots by completely replacing the database, but, rather, will update only those snapshots that have changed. Transfers of large quantities of snapshot segments from authoritative sources may be used initially until legacy systems are modified to support sending change updates proactively.
- The changed snapshot data will be provided to SAFER/CVIEW either proactively by the source system shortly after the change occurs.

How Snapshots Are Maintained and Accessed (continued)

SAFER/CVIEW Users can:
- Subscribe to receive snapshot updates proactively upon change, based on criteria defined by the subscriber
- Request a new snapshot via a query that supplies enough identity information for SAFER/CVIEW to find the snapshot