



U.S. Department of Transportation  
**Federal Motor Carrier Safety Administration**

FMCSA Data Quality Improvement Program

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## **SAFETYNET Reports**

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**U.S. DOT Volpe Center**

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**Thanks to your peers:**

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# Learning Objectives

- Customize SAFETYNET reports to answer questions using SAFETYNET data
- Export SAFETYNET data into Excel and customize reports using Pivot Tables



# Session Format: Demos and Exercises



**Demo: We'll show you how it's done**



**Exercise: You'll do it on your own**

# What Can You Do with Reports?



Show program activity



Respond to requests from inspectors, investigators, management, and the public



Identify issues with training or data quality

# Report Categories

REPORT CATEGORY	INSPECTION	CRASH
RECORD SUMMARY	2	2
DATA ENTRY	10	5
WORKLOAD	10	
PRIORITIZATION	2	
SUMMARY	6	4
STATISTICAL	8	
CROSSOVER	1	1
UPLOAD STATUS	2	2

For more information on these reports, refer to the SAFETYNET Manual

# Reminder... Choose Inspection or Crash Tab First

Then Click This

First  
Click  
This

The screenshot shows the SAFETYNET application window. The menu bar includes System, Record, Database, Search, Reports, Communications, Configuration, and Help. The toolbar contains various icons for navigation and search. The 'Sort By' dropdown is set to 'Inspection Start Date' and the 'Look For' field is empty. The 'Other Info' dropdown is also empty. The 'Inspection' tab is selected in the tabbed interface, with other tabs including 'Crash', 'CR', 'Complaint...', and 'Census'. The main data area displays a table titled 'Inspection - Main Database' with the following columns: Tag, Report #, Start Date, Start Time, USDOT #, MC/MX #, Interstate, and Carrier Name. The table contains 18 rows of data, all with 'Interstate' checked.

Tag	Report #	Start Date	Start Time	USDOT #	MC/MX #	Interstate	Carrier Name
<input type="checkbox"/>	FL0000654203	01/03/2012	02:20	01181435	472228	<input checked="" type="checkbox"/>	TCB TRUCKING
<input type="checkbox"/>	FL0000690111	01/03/2012	02:35	00822976	363999	<input checked="" type="checkbox"/>	BLUE STREAK LOGISTICS LLC
<input type="checkbox"/>	FL0000654204	01/03/2012	02:40	01200282	478073	<input checked="" type="checkbox"/>	ARKANSAS OWN
<input type="checkbox"/>	FL0000690112	01/03/2012	03:25	01290388		<input checked="" type="checkbox"/>	RUSTIC RANCH FURNITURE
<input type="checkbox"/>	FL0000673405	01/03/2012	03:30	00804311	358071	<input checked="" type="checkbox"/>	SOUTHERN INTERMODAL XPRESS INC
<input type="checkbox"/>	FL0000654205	01/03/2012	03:35	00424023	235436	<input checked="" type="checkbox"/>	DOT TRANSPORTATION
<input type="checkbox"/>	FL0000673406	01/03/2012	04:00	00956561	409101	<input checked="" type="checkbox"/>	BEVERLY INDUSTRIES INC
<input type="checkbox"/>	FL0000673407	01/03/2012	04:30	00572641	277164	<input checked="" type="checkbox"/>	DALLAS & MAVIS
<input type="checkbox"/>	FL0000648559	01/03/2012	04:30	00092261	055889	<input checked="" type="checkbox"/>	AAA COOPER TRANSPORTATION CO.
<input type="checkbox"/>	FL0000654206	01/03/2012	04:30	00536920	175265	<input checked="" type="checkbox"/>	SENN FREIGHT LINES INC 3-01
<input type="checkbox"/>	FL0000648560	01/03/2012	05:00	00092529	143185	<input checked="" type="checkbox"/>	LAWSON CHARLES G TRUCKING INC
<input type="checkbox"/>	FL0000673408	01/03/2012	05:02	00332007		<input checked="" type="checkbox"/>	ROOFING SUPPLY LTD
<input type="checkbox"/>	FL0000654562	01/03/2012	05:10	01049621	439239	<input checked="" type="checkbox"/>	4-P TRANSPORT
<input type="checkbox"/>	FL0000648457	01/03/2012	05:30	00138986	140820	<input checked="" type="checkbox"/>	A&R TRANSPORT INC
<input type="checkbox"/>	FL0000654563	01/03/2012	05:35	00290218		<input checked="" type="checkbox"/>	SMITTYS SUPPLY INC

# The Inspection Dialogue Box Layout

**Note:** For this training, do not check the All Records button to run records against the entire data set

Driver Vehicle Examination Report

**Record Selection**

Current Record

Tagged Records

All Queried Records

All Records

**Sort By**

Ascending  Descending

[Dropdown]

**Print Optional Field**

By Two Columns  In Free Format

Include Inspection Notes and Special Study fields

Include HCRQ RAM Supplemental Data

Include Barcode

Redact all Driver PII information

Include Adjudicated State Citation Results

Additional Filtering

**Filters**

Inspection Date Range [Dropdown] **Begin Date** 01/01/1984 **End Date** 03/06/2020

Inspection Report Number List [Dropdown] **Report Numbers** [List Box]

OK Close Help

# The Crash Dialogue Box Layout

Crash Upload Edit Results ✕

**Record Selection**

Current Record

Tagged Records

All Queried Records

All Records

**Sort By**

Ascending  Descending

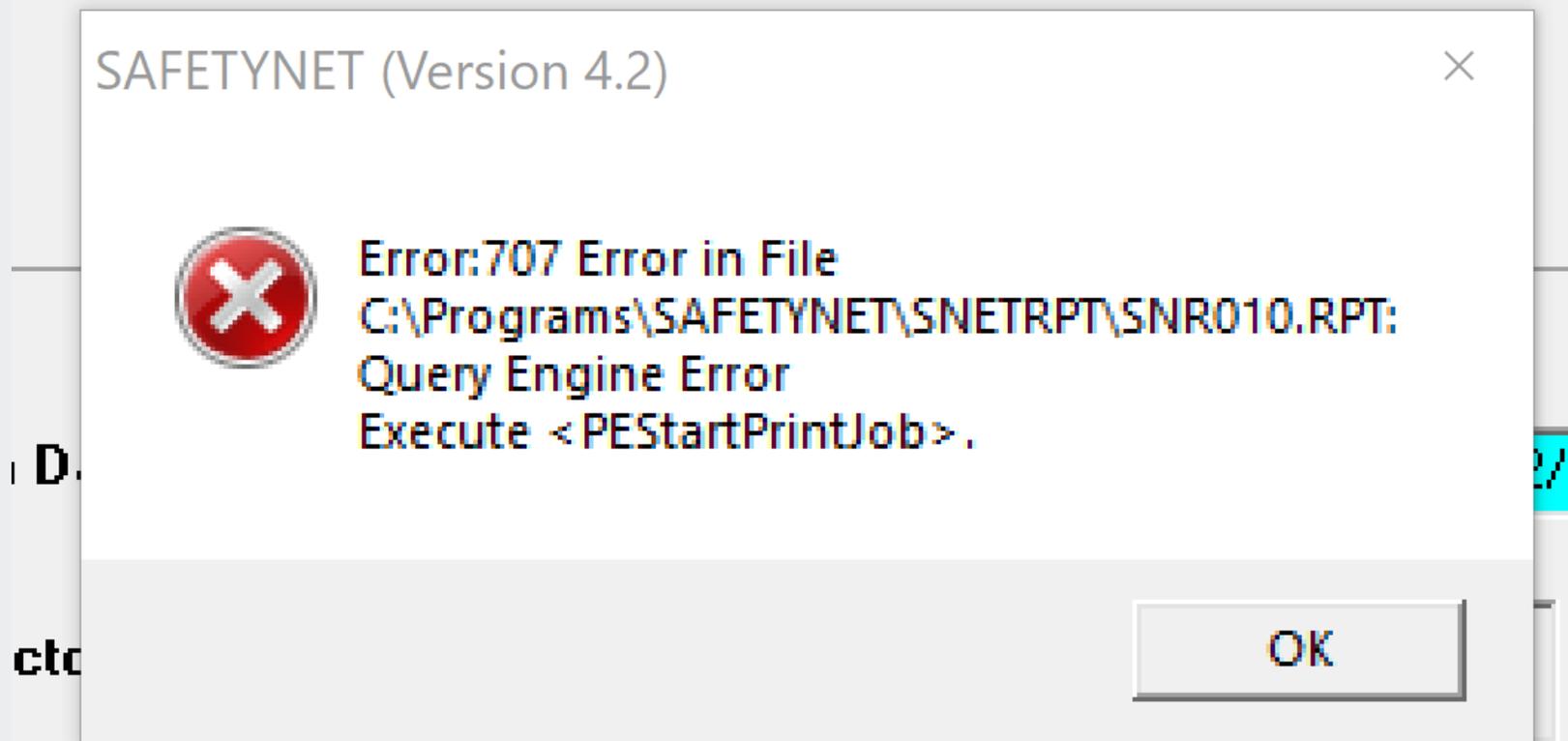
Errors and warnings  Errors only

Additional Filtering

**Filters**

<input checked="" type="checkbox"/>	Crash(es) Date Range	Begin Date	01/01/1984	End Date	03/06/2020
<input checked="" type="checkbox"/>	Input Date Range	Begin Date	01/01/1984	End Date	03/06/2020

# Warning...Tag Your Records When Running a Query!



# Customizing SAFETYNET Reports



## Demo 1: Create a report showing inspection activity

Use the MCSAP Quarterly Report and the Inspector Profile Report to quickly monitor inspection counts

1. Choose the MCSAP Quarterly Report
2. Change the dates to monthly
3. Run the Report
4. Repeat for Inspector Profile Report

# Customizing SAFETYNET Reports



## Demo 2: Create a report showing farm vehicle activity using SAFETYNET's query tool

Customize the MCSAP Quarterly Report to show farm inspections

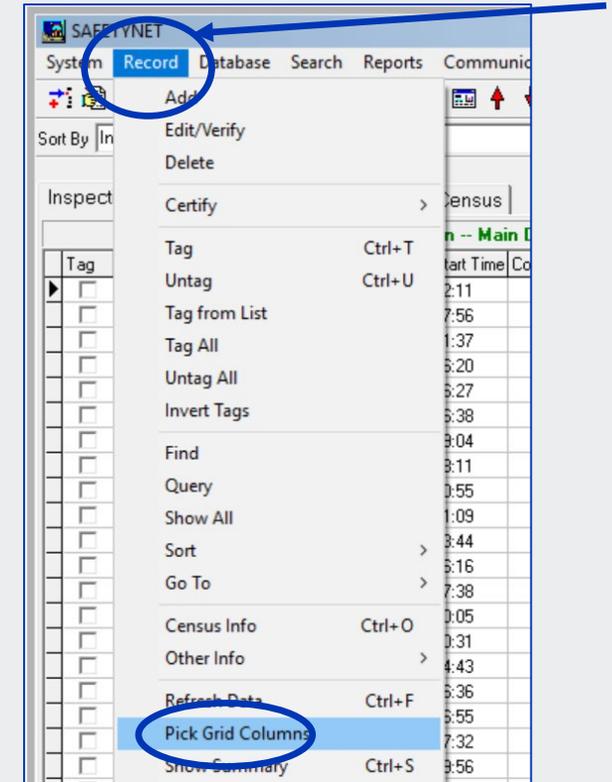
1. Run a query to identify farm vehicle inspections
2. Choose Report, Statistical Reports, MCSAP Quarterly Report
3. Run the report

# Export SAFETYNET Data to Excel



## Demo 3: Export hazmat data gathered from inspections to Excel

1. Customize the SAFETYNET inspection grid by adding “HM Insp Type” and “Truck/Bus” fields to the grid
2. Export the data from the SAFETYNET grid to Excel



# Have Questions?

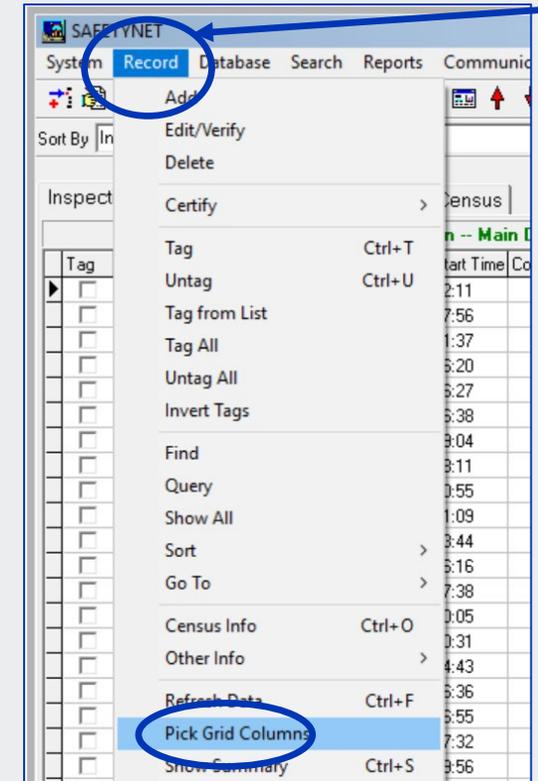


# Create a PivotTable in Excel



## Demo 4: Create a PivotTable of Hazmat inspections by inspector and inspection level

1. Use the results from Demo 3 to create a PivotTable
2. Insert a PivotTable into the spreadsheet
3. Add rows, columns, values



# Create a PivotTable in Excel

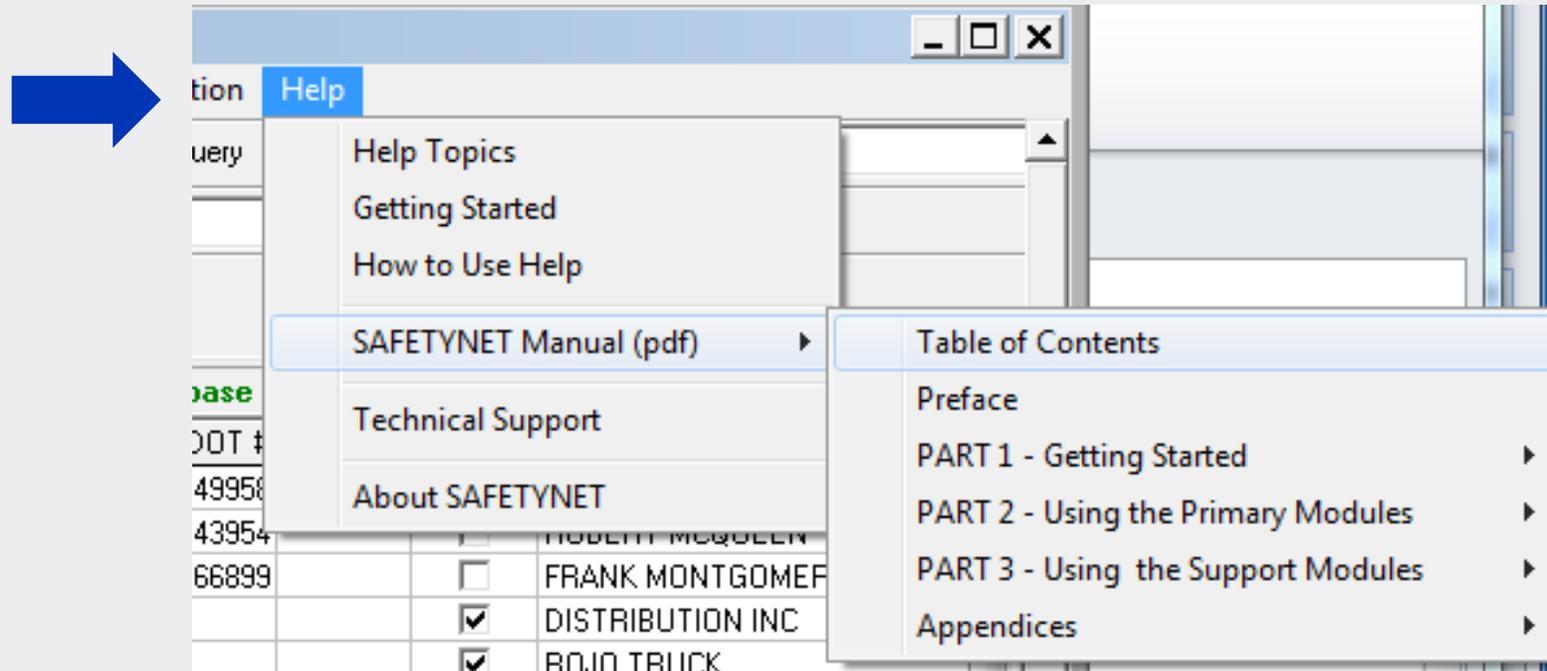


**Exercise: You'll do it on your own**



**Demo: We'll show you how it's done**

# SAFETYNET Manual



- The SAFETYNET Manual is included within SAFETYNET
- You can access it by clicking Help on the top menu

# Have Questions? Let Us know!



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**Additional Resources:**

Data Quality Website

[http://ai.fmcsa.dot.gov/Data  
Quality](http://ai.fmcsa.dot.gov/DataQuality)

## Thank You!