



U.S. Department
of Transportation

Federal Motor
Carrier Safety
Administration



ITD INNOVATIVE TECHNOLOGY
DEPLOYMENT

ITD State Data Quality Evaluation Results

JULY | 2024

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ITD State Data Quality Evaluation Results

July 2024

This report presents the results of the July 2024 State Data Quality (DQ) evaluation. It also provides background on the purpose, development, and methodology of the State DQ Measures.

ITD DQ Initiative

Data quality is a top priority of the Federal Motor Carrier Safety Administration (FMCSA) and the Innovative Technology Deployment (ITD) Program. The ITD DQ Improvement Initiative was developed by the ITD Support team at the Volpe National Transportation Systems Center (Volpe), in coordination with an ACCB¹ DQ Working Group, to identify and resolve DQ issues. The ITD Support team developed DQ measures, standards, and evaluation methodologies, which were reviewed and accepted by the ACCB. Since June 2015, the ITD Support team has analyzed and reported monthly DQ results to the ITD community. Monthly reports provide DQ ratings generated by:

- The DQ Performance Measures, which rate the quality of IFTA² and IRP³ credential data uploaded by ITD States to SAFER via the T-19 (IFTA Input Transaction) and the T-22 (IRP Registration Input Transaction).
- The DQ Communication Process, which communicates, and monitors correction of, individual State-reported DQ issues.

Purpose and Evolution of the ITD DQ Measures

The purpose of the ITD DQ Performance Measures is not to be punitive, but to highlight data quality issues and prompt States to investigate causes. The measures were designed to address expectations of the ITD Program as well as issues raised by States during program workshops and ACCB meetings; the design was also informed by the DQ Communication Process. Ongoing discussion is encouraged as the measures evolve with the needs of the Program and the ITD community.

See below for a high-level timeline of the development and modification of the ITD DQ Measures. The appendix to this report provides details.



¹ ACCB – ITD Architecture Change Control Board.

² IFTA – International Fuel Tax Association.

³ IRP – International Registration Plan.

Overview of DQ Measures – T-19 (IFTA)

The T-19 DQ Measures rate the quality of IFTA data uploaded by IFTA Commercial Vehicle Information Exchange Window (CVIEW)-certified States to FMCSA’s Safety and Fitness Electronic Records (SAFER). Every month, five individual measures and an overall measure are calculated for each IFTA CVIEW-certified State, and ratings are reported. For each individual measure, a rating of Good, Fair, or Poor is generated and a rating value is assigned; the Overall T-19 rating is calculated from the individual rating values.

Individual Measures – T-19

The T-19 Individual Measures, calculated ratings, and rating values are defined below.

T-19 Measures and Rating Calculations/Values – Effective December 2021

| Measure | Standard | Method / Data Source | Calculation/Ratings | Rating Value |
|---|---|--|---|---|
| 1 Timeliness: Upload Frequency | Daily uploads | Compare number of T-19 uploads per month to the frequency standard (number of business days in evaluated month). Calculate the percent of upload frequency achieved compared to standard. Source: Daily Reports, sending States. | M1 = # uploads / # business days Good if M1 % >= 100 Fair if 95 <= M1 % <= 99 Poor if 0 <= M1 % <= 94 | Good = 3 Fair = 2 Poor = 1 |
| 2 Completeness: Successful Uploads | Minimal error rate | Calculate the percent of received T-19 records that were applied to SAFER (not rejected). Source: Log files, counts of received vs applied. | M2 = # applied / # received, 0, if # received = 0 Good if M2 % = 100 Fair if 95 <= M2 % <= 99 Poor if 0 <= M2 % <= 94 | Good = 3 Fair = 2 Poor = 1 |
| 3 Accuracy: Last Update Date Currency | Update date must not be older than existing data | Calculate the percent of total T-19 records that were not rejected with the error “Older than existing data.” Source: Log files. Counts of error message “Older than existing data.” | M3 = 100% - (# rejected_error / # received), 0, if # received = 0 Good if M3 % = 100 Fair if 98 <= M3 % <= 99 Poor if 0 <= M3 % <= 97 | Good = 3 Fair = 2 Poor = 1 |
| 4 Validity: IFTA Exp. Date./ Status | IFTA account exp. date and status must be aligned | Calculate the percent of active T-19 Interstate records (Active account status) that show valid account (exp. date not expired). Source: SAFER database. Query of process time, Interstate flag, IFTA exp. date, IFTA status. | M4 = 100% - (# count / # active), 0, if # active = 0 Good if M4 % = 100 Fair if 95 <= M4 % <= 99 Poor if 0 <= M4 % <= 94 | Good = 3 Fair = 2 Poor = 1 |
| 5 Baseline Frequency | Annual IRP Baseline (minimum) | Source: ITD Support records. | M5 = 2, if exempt M5 = 1, if baseline last 12 mos. M5 = 0, if no baseline last 12 mos. | Good = 3 Poor = 1 |

Overall Rating – T-19

The T-19 Overall rating is calculated as shown below.

T-19 Overall Rating Calculation – Effective August 2022

| Individual T-19 Rating Values | Measure Weights | Overall Rating Calculation | Overall Rating Ranges |
|----------------------------------|---|---|--|
| Good = 3 Fair = 2 Poor = 1 | M1: Timely Uploads = 15% M2: Completeness = 30% M3: Accuracy = 20% M4: Validity = 30% M5: Timely Baselines = 5% | (M1 Rating Value * 15%) + (M2 Rating Value * 30%) + (M3 Rating Value * 20%) + (M4 Rating Value * 30%) + (M5 Rating Value * 5%) If calculated Overall Rating is <1, = 0 | Good: 2.7 – 3.0 Fair: 2.3 – 2.6 Poor: ≤2.2 |

Overall Ratings – T-19 (IFTA)

All ratings are presented in this report as a rolling three months for comparison purposes. For reference, the chart below shows each State’s Core and CVIEW certification status along with its Overall ratings.

State T-19 (IFTA) Overall Ratings May – July 2024

| | | |
|-----------------|-----------------|-------------|
| Good: 2.7 – 3.0 | Fair: 2.3 – 2.6 | Poor: ≤ 2.2 |
|-----------------|-----------------|-------------|

| STATE | Core Certified | IFTA CVIEW Certified | May Overall Rating | June Overall Rating | July Overall Rating |
|-------|----------------|----------------------|--------------------|---------------------|---------------------|
| AK* | Yes | Yes | n/a | n/a | n/a |
| AL | Yes | Yes | 3.0 | 3.0 | 2.9 |
| AR | Yes | Yes | 3.0 | 3.0 | 2.9 |
| AZ | Yes | Yes | 2.4 | 2.4 | 2.4 |
| CA | Yes | Yes | 3.0 | 3.0 | 3.0 |
| CO | Yes | Yes | 2.7 | 3.0 | 2.7 |
| CT | Yes | Yes | 3.0 | 2.9 | 2.9 |
| DC | No | No | n/a | n/a | n/a |
| DE | Yes | Yes | 3.0 | 3.0 | 3.0 |
| FL | Yes | Yes | 2.4 | 2.1 | 2.3 |
| GA | Yes | Yes | 3.0 | 2.7 | 2.7 |
| HI | No | No | n/a | n/a | n/a |
| IA | Yes | Yes | 3.0 | 3.0 | 3.0 |
| ID | Yes | Yes | 3.0 | 3.0 | 2.9 |
| IL | Yes | Yes | 3.0 | 3.0 | 2.9 |
| IN | Yes | Yes | 3.0 | 3.0 | 3.0 |
| KS | Yes | Yes | 2.7 | 2.7 | 2.7 |
| KY | Yes | Yes | 3.0 | 3.0 | 3.0 |
| LA | Yes | Yes | 3.0 | 3.0 | 3.0 |
| MA | Yes | Yes | 2.7 | 2.7 | 2.6 |
| MD | Yes | Yes | 2.9 | 3.0 | 3.0 |
| ME | Yes | Yes | 2.7 | 2.6 | 3.0 |
| MI | Yes | Yes | 3.0 | 3.0 | 3.0 |
| MN | No | Yes | 3.0 | 3.0 | 3.0 |
| MO | Yes | Yes | 3.0 | 3.0 | 3.0 |
| MS | Yes | Yes | 2.9 | 3.0 | 2.7 |

| STATE | Core Certified | IFTA CVIEW Certified | May Overall Rating | June Overall Rating | July Overall Rating |
|-------|----------------|----------------------|--------------------|---------------------|---------------------|
| MT | Yes | Yes | 3.0 | 3.0 | 3.0 |
| NC | Yes | Yes | 2.7 | 3.0 | 3.0 |
| ND | Yes | Yes | 2.7 | 2.7 | 2.4 |
| NE | Yes | Yes | 3.0 | 2.9 | 3.0 |
| NH | Yes | Yes | 3.0 | 3.0 | 3.0 |
| NJ | Yes | Yes | 2.7 | 3.0 | 3.0 |
| NM | Yes | Yes | 2.7 | 2.7 | 2.7 |
| NV | Yes | Yes | 3.0 | 3.0 | 3.0 |
| NY | Yes | Yes | 2.9 | 2.9 | 2.9 |
| OH | Yes | Yes | 3.0 | 3.0 | 3.0 |
| OK | Yes | Yes | 3.0 | 3.0 | 3.0 |
| OR | Yes | Yes | 3.0 | 2.7 | 3.0 |
| PA | No | No | n/a | n/a | n/a |
| RI | Yes | Yes | 3.0 | 3.0 | 3.0 |
| SC | Yes | Yes | 3.0 | 3.0 | 3.0 |
| SD | Yes | Yes | 3.0 | 3.0 | 3.0 |
| TN | Yes | Yes | 3.0 | 3.0 | 3.0 |
| TX | Yes | Yes | 3.0 | 3.0 | 3.0 |
| UT | Yes | Yes | 2.9 | 2.9 | 2.7 |
| VA | Yes | Yes | 3.0 | 3.0 | 3.0 |
| VT | Yes | Yes | 3.0 | 3.0 | 3.0 |
| WA | Yes | Yes | 2.7 | 3.0 | 2.7 |
| WI | Yes | Yes | 3.0 | 3.0 | 3.0 |
| WV | Yes | Yes | 3.0 | 3.0 | 3.0 |
| WY | Yes | Yes | 3.0 | 3.0 | 3.0 |

*AK is CVIEW Certified but exempt from IFTA uploading.
n/a = Not CVIEW Certified or Insufficient Data.

National Counts of T-19 Overall Rating Ranges May – July 2024

| May Overall Rating | IFTA CVIEW Certified | June Overall Rating | IFTA CVIEW Certified | July Overall Rating | IFTA CVIEW Certified |
|--------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| Good | 45 | Good | 44 | Good | 43 |
| Fair | 2 | Fair | 2 | Fair | 3 |
| Poor | 0 | Poor | 1 | Poor | 1 |
| Total | 47 | Total | 47 | Total | 47 |

Note: The CVIEW-certified totals in this table might not equal the total count of CVIEW-certified States due to insufficient data for calculating an Overall rating in any month.

Individual Ratings by State – T-19 (IFTA)

M1 Timeliness: Upload Frequency – T-19

Standard: Daily uploads. Upload frequency equals or exceeds number of business days in the evaluated month.

Frequency Standard = 22: June had 23 weekdays, 1 Federal holiday, and no SAFER down days.

Methodology: Compare the number of uploads to the frequency standard; calculate the percentage of the frequency standard achieved by the State.

Source: Daily Reports, 7/1/2024 – 7/31/2024.

Rating Ranges:

- Good: ≥ 100%
- Fair: 95% – 99%
- Poor: ≤ 94%

M1 Timeliness: Upload Frequency – T-19 State Ratings May – July 2024

| | | |
|--------------|----------------|-------------|
| Good: ≥ 100% | Fair: 95 - 99% | Poor: ≤ 94% |
|--------------|----------------|-------------|

| STATE | IFTA CVIEW Certified | May Uploads % of Standard | June Uploads % of Standard | July Uploads % of Standard |
|-------|----------------------|---------------------------|----------------------------|----------------------------|
| AK* | Yes | n/a | n/a | n/a |
| AL | Yes | 148 | 158 | 141 |
| AR | Yes | 148 | 158 | 141 |
| AZ | Yes | 110 | 100 | 114 |
| CA | Yes | 143 | 158 | 141 |
| CO | Yes | 86 | 100 | 86 |
| CT | Yes | 100 | 95 | 95 |
| DC | No | n/a | n/a | n/a |
| DE | Yes | 133 | 132 | 141 |
| FL | Yes | 100 | 68 | 95 |
| GA | Yes | 100 | 89 | 14 |
| HI | No | n/a | n/a | n/a |
| IA | Yes | 129 | 158 | 141 |
| ID | Yes | 100 | 105 | 95 |
| IL | Yes | 105 | 105 | 95 |
| IN | Yes | 124 | 142 | 136 |
| KS | Yes | 105 | 84 | 73 |
| KY | Yes | 148 | 153 | 141 |
| LA | Yes | 110 | 105 | 100 |
| MA | Yes | 105 | 105 | 95 |
| MD | Yes | 148 | 147 | 141 |
| ME | Yes | 133 | 105 | 109 |
| MI | Yes | 148 | 142 | 141 |
| MN | Yes | 100 | 100 | 100 |
| MO | Yes | 119 | 137 | 118 |
| MS | Yes | 95 | 105 | 86 |

| STATE | IFTA CVIEW Certified | May Uploads % of Standard | June Uploads % of Standard | July Uploads % of Standard |
|-------|----------------------|---------------------------|----------------------------|----------------------------|
| MT | Yes | 148 | 158 | 141 |
| NC | Yes | 143 | 158 | 132 |
| ND | Yes | 100 | 116 | 91 |
| NE | Yes | 100 | 95 | 105 |
| NH | Yes | 133 | 132 | 141 |
| NJ | Yes | 76 | 142 | 141 |
| NM | Yes | 86 | 84 | 77 |
| NV | Yes | 133 | 132 | 141 |
| NY | Yes | 110 | 105 | 100 |
| OH | Yes | 105 | 100 | 100 |
| OK | Yes | 110 | 105 | 105 |
| OR | Yes | 110 | 121 | 100 |
| PA | No | n/a | n/a | n/a |
| RI | Yes | 143 | 158 | 141 |
| SC | Yes | 105 | 126 | 123 |
| SD | Yes | 148 | 142 | 141 |
| TN | Yes | 148 | 158 | 141 |
| TX | Yes | 110 | 105 | 105 |
| UT | Yes | 95 | 95 | 91 |
| VA | Yes | 138 | 153 | 123 |
| VT | Yes | 124 | 137 | 136 |
| WA | Yes | 76 | 100 | 86 |
| WI | Yes | 105 | 105 | 100 |
| WV | Yes | 133 | 147 | 132 |
| WY | Yes | 133 | 158 | 141 |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

* AK is CVIEW Certified but exempt from IFTA uploading.

M2 Completeness: Successful Uploads – T-19

Standard: Minimal error rate.

Methodology: Calculate the percent of received T-19 records that were applied to SAFER (not rejected).

Source: Error logs, 7/1/2024 – 7/31/2024.

Rating Ranges:

- Good: 100%
- Fair: 95 – 99%
- Poor: ≤ 94%

M2 Completeness: Successful Uploads – T-19 State Ratings May – July 2024

| | | |
|------------|----------------|-------------|
| Good: 100% | Fair: 95 - 99% | Poor: ≤ 94% |
|------------|----------------|-------------|

| STATE | IFTA CVIEW Certified | May % Successful Uploads | June % Successful Uploads | July % Successful Uploads |
|-------|----------------------|--------------------------|---------------------------|---------------------------|
| AK* | Yes | n/a | n/a | n/a |
| AL | Yes | 100 | 100 | 100 |
| AR | Yes | 100 | 100 | 100 |
| AZ | Yes | 100 | 100 | 100 |
| CA | Yes | 100 | 100 | 100 |
| CO | Yes | 100 | 100 | 100 |
| CT | Yes | 100 | 100 | 100 |
| DC | No | n/a | n/a | n/a |
| DE | Yes | 100 | 100 | 100 |
| FL | Yes | 100 | 100 | 100 |
| GA | Yes | 100 | 100 | 100 |
| HI | No | n/a | n/a | n/a |
| IA | Yes | 100 | 100 | 100 |
| ID | Yes | 100 | 100 | 100 |
| IL | Yes | 100 | 100 | 100 |
| IN | Yes | 100 | 100 | 100 |
| KS | Yes | 100 | 100 | 100 |
| KY | Yes | 100 | 100 | 100 |
| LA | Yes | 100 | 100 | 100 |
| MA | Yes | 100 | 100 | 100 |
| MD | Yes | 100 | 100 | 100 |
| ME | Yes | 100 | 100 | 100 |
| MI | Yes | 100 | 100 | 100 |
| MN | Yes | 100 | 100 | 100 |
| MO | Yes | 100 | 100 | 100 |
| MS | Yes | 100 | 100 | 100 |
| MT | Yes | 100 | 100 | 100 |

| STATE | IFTA CVIEW Certified | May % Successful Uploads | June % Successful Uploads | July % Successful Uploads |
|-------|----------------------|--------------------------|---------------------------|---------------------------|
| NC | Yes | 100 | 100 | 100 |
| ND | Yes | 100 | 100 | 100 |
| NE | Yes | 100 | 100 | 100 |
| NH | Yes | 100 | 100 | 100 |
| NJ | Yes | 100 | 100 | 100 |
| NM | Yes | 100 | 100 | 100 |
| NV | Yes | 100 | 100 | 100 |
| NY | Yes | 100 | 100 | 100 |
| OH | Yes | 100 | 100 | 100 |
| OK | Yes | 100 | 100 | 100 |
| OR | Yes | 100 | 99 | 100 |
| PA | No | n/a | n/a | n/a |
| RI | Yes | 100 | 100 | 100 |
| SC | Yes | 100 | 100 | 100 |
| SD | Yes | 100 | 100 | 100 |
| TN | Yes | 100 | 100 | 100 |
| TX | Yes | 100 | 100 | 100 |
| UT | Yes | 100 | 100 | 100 |
| VA | Yes | 100 | 100 | 100 |
| VT | Yes | 100 | 100 | 100 |
| WA | Yes | 100 | 100 | 100 |
| WI | Yes | 100 | 100 | 100 |
| WV | Yes | 100 | 100 | 100 |
| WY | Yes | 100 | 100 | 100 |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

* AK is CVIEW Certified but exempt from IFTA uploading.

M3 Accuracy: Last Update Date Currency – T-19

Standard: Update date must not be older than existing data.

Methodology: Calculate the percent of total T-19 records that were not rejected with the error “Older than existing data.”

Source: Error logs, 7/1/2024 – 7/31/2024.

Rating Ranges:

- Good: 100%
- Fair: 98 – 99%
- Poor: ≤ 97%

M3 Accuracy: Last Update Date Currency – T-19 State Ratings May – July 2024

| | | |
|------------|----------------|-------------|
| Good: 100% | Fair: 98 - 99% | Poor: ≤ 97% |
|------------|----------------|-------------|

| STATE | IFTA CVIEW Certified | May % Current | June % Current | July % Current |
|-------|----------------------|---------------|----------------|----------------|
| AK* | Yes | n/a | n/a | n/a |
| AL | Yes | 100 | 100 | 100 |
| AR | Yes | 100 | 100 | 100 |
| AZ | Yes | 100 | 100 | 100 |
| CA | Yes | 100 | 100 | 100 |
| CO | Yes | 100 | 100 | 100 |
| CT | Yes | 100 | 100 | 100 |
| DC | No | n/a | n/a | n/a |
| DE | Yes | 100 | 100 | 100 |
| FL | Yes | 100 | 100 | 100 |
| GA | Yes | 100 | 100 | 100 |
| HI | No | n/a | n/a | n/a |
| IA | Yes | 100 | 100 | 100 |
| ID | Yes | 100 | 100 | 100 |
| IL | Yes | 100 | 100 | 100 |
| IN | Yes | 100 | 100 | 100 |
| KS | Yes | 100 | 100 | 100 |
| KY | Yes | 100 | 100 | 100 |
| LA | Yes | 100 | 100 | 100 |
| MA | Yes | 100 | 100 | 100 |
| MD | Yes | 100 | 100 | 100 |
| ME | Yes | 100 | 100 | 100 |
| MI | Yes | 100 | 100 | 100 |
| MN | Yes | 100 | 100 | 100 |
| MO | Yes | 100 | 100 | 100 |
| MS | Yes | 100 | 100 | 100 |
| MT | Yes | 100 | 100 | 100 |

| STATE | IFTA CVIEW Certified | May % Current | June % Current | July % Current |
|-------|----------------------|---------------|----------------|----------------|
| NC | Yes | 100 | 100 | 100 |
| ND | Yes | 100 | 100 | 100 |
| NE | Yes | 100 | 100 | 100 |
| NH | Yes | 100 | 100 | 100 |
| NJ | Yes | 100 | 100 | 100 |
| NM | Yes | 100 | 100 | 100 |
| NV | Yes | 100 | 100 | 100 |
| NY | Yes | 100 | 100 | 100 |
| OH | Yes | 100 | 100 | 100 |
| OK | Yes | 100 | 100 | 100 |
| OR | Yes | 100 | 100 | 100 |
| PA | No | n/a | n/a | n/a |
| RI | Yes | 100 | 100 | 100 |
| SC | Yes | 100 | 100 | 100 |
| SD | Yes | 100 | 100 | 100 |
| TN | Yes | 100 | 100 | 100 |
| TX | Yes | 100 | 100 | 100 |
| UT | Yes | 100 | 100 | 100 |
| VA | Yes | 100 | 100 | 100 |
| VT | Yes | 100 | 100 | 100 |
| WA | Yes | 100 | 100 | 100 |
| WI | Yes | 100 | 100 | 100 |
| WV | Yes | 100 | 100 | 100 |
| WY | Yes | 100 | 100 | 100 |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

WS = FL uses web service.

* AK is CVIEW Certified but exempt from IFTA uploading.

M4 Validity: IFTA Account and Status – T-19

Standard: IFTA account validity and IFTA status must be aligned.

Methodology: Calculate the percent of active T-19 Interstate records (IFTA status of Active) that show a valid IFTA account.

Source: SAFER, 8/5/2024. (Query of carrier IFTA status code, account number, and expiration date.)

Rating Ranges:

- Good: 100%
- Fair: 95 – 99%
- Poor: ≤ 94%

M4 Validity: IFTA Account and Status – T-19 State Ratings May – July 2024

Note: As of the **April 2018** evaluation, the T-19 M4 measure allows for a 60-day grace period, which is the IFTA standard; previously, this measure allowed for a 30-day grace period.

| | | |
|------------|----------------|-------------|
| Good: 100% | Fair: 95 - 99% | Poor: ≤ 94% |
|------------|----------------|-------------|

| STATE | IFTA CVIEW Certified | May % Aligned | June % Aligned | July % Aligned |
|-----------------|----------------------|---------------|----------------|----------------|
| AK ¹ | Yes | n/a | n/a | n/a |
| AL | Yes | 100 | 100 | 100 |
| AR | Yes | 100 | 100 | 100 |
| AZ | Yes | 83 | 83 | 84 |
| CA ² | Yes | 100 | 100 | 100 |
| CO | Yes | 100 | 100 | 100 |
| CT | Yes | 100 | 100 | 100 |
| DC | No | n/a | n/a | n/a |
| DE | Yes | 100 | 100 | 100 |
| FL | Yes | 87 | 87 | 88 |
| GA | Yes | 100 | 100 | 100 |
| HI | No | n/a | n/a | n/a |
| IA | Yes | 100 | 100 | 100 |
| ID | Yes | 100 | 100 | 100 |
| IL | Yes | 100 | 100 | 100 |
| IN | Yes | 100 | 100 | 100 |
| KS | Yes | 99 | 100 | 100 |
| KY | Yes | 100 | 100 | 100 |
| LA | Yes | 100 | 100 | 100 |
| MA | Yes | 98 | 99 | 99 |
| MD | Yes | 100 | 100 | 100 |
| ME | Yes | 99 | 99 | 100 |
| MI | Yes | 100 | 100 | 100 |
| MN | Yes | 100 | 100 | 100 |
| MO | Yes | 100 | 100 | 100 |
| MS | Yes | 100 | 100 | 100 |

| STATE | IFTA CVIEW Certified | May % Aligned | June % Aligned | July % Aligned |
|-----------------|----------------------|---------------|----------------|----------------|
| MT | Yes | 100 | 100 | 100 |
| NC ² | Yes | 99 | 100 | 100 |
| ND | Yes | 99 | 99 | 99 |
| NE | Yes | 100 | 100 | 100 |
| NH | Yes | 100 | 100 | 100 |
| NJ | Yes | 100 | 100 | 100 |
| NM | Yes | 100 | 100 | 100 |
| NV | Yes | 100 | 100 | 100 |
| NY | Yes | 100 | 100 | 100 |
| OH | Yes | 100 | 100 | 100 |
| OK | Yes | 100 | 100 | 100 |
| OR | Yes | 100 | 100 | 100 |
| PA | No | n/a | n/a | n/a |
| RI | Yes | 100 | 100 | 100 |
| SC | Yes | 100 | 100 | 100 |
| SD | Yes | 100 | 100 | 100 |
| TN | Yes | 100 | 100 | 100 |
| TX | Yes | 100 | 100 | 100 |
| UT | Yes | 100 | 100 | 100 |
| VA | Yes | 100 | 100 | 100 |
| VT | Yes | 100 | 100 | 100 |
| WA | Yes | 100 | 100 | 100 |
| WI | Yes | 100 | 100 | 100 |
| WV | Yes | 100 | 100 | 100 |
| WY | Yes | 100 | 100 | 100 |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

¹AK is CVIEW Certified but exempt from IFTA uploading.

² CA and NC IFTA data is sent directly from IFTA clearinghouse.

M5 Timeliness: IFTA Baseline Frequency – T-19

Standard: Annual IFTA baseline (minimum).

Source: ITD Support records.

Rating Ranges:

- **Good:** State conducted an IFTA baseline at least once in the past 12 months.
- **Poor:** State did not conduct a baseline at least once in the past 12 months.

| STATE | Aug-24 | Sep-24 | Oct-24 |
|-------|--------|--------|--------|
| AZ | | DUE | |
| MA | DUE | | |
| WA | | | DUE |

M5 Timeliness: IFTA Baseline Frequency – T-19 State Ratings May – July

| Good: Baseline in Last 12 Months | Poor: No Baseline in Last 12 Months | Good: Baseline Due Soon |
|----------------------------------|-------------------------------------|-------------------------|
|----------------------------------|-------------------------------------|-------------------------|

| State | IFTA CVIEW Certified | May Rating | June Rating | July Rating |
|-----------------|----------------------|------------|-------------|-------------|
| AK ¹ | Yes | n/a | n/a | n/a |
| AL | Yes | Good | Good | Poor |
| AR | Yes | Good | Good | Poor |
| AZ | Yes | Good | Good | Good |
| CA ² | Yes | Good | Good | Good |
| CO | Yes | Good | Good | Good |
| CT | Yes | Good | Good | Good |
| DC | No | n/a | n/a | n/a |
| DE | Yes | Good | Good | Good |
| FL ² | Yes | Good | Good | Good |
| GA | Yes | Good | Good | Good |
| HI | No | n/a | n/a | n/a |
| IA | Yes | Good | Good | Good |
| ID | Yes | Good | Good | Good |
| IL | Yes | Good | Good | Good |
| IN | Yes | Good | Good | Good |
| KS | Yes | Good | Good | Good |
| KY | Yes | Good | Good | Good |
| LA | Yes | Good | Good | Good |
| MA | Yes | Good | Good | Good |
| MD | Yes | Poor | Good | Good |
| ME | Yes | Good | Poor | Good |
| MI | Yes | Good | Good | Good |
| MN | Yes | Good | Good | Good |
| MO | Yes | Good | Good | Good |
| MS | Yes | Good | Good | Good |

| State | IFTA CVIEW Certified | May Rating | June Rating | July Rating |
|-----------------|----------------------|------------|-------------|-------------|
| MT | Yes | Good | Good | Good |
| NC ² | Yes | Good | Good | Good |
| ND | Yes | Good | Good | Good |
| NE | Yes | Good | Good | Good |
| NH | Yes | Good | Good | Good |
| NJ | Yes | Good | Good | Good |
| NM | Yes | Good | Good | Good |
| NV | Yes | Good | Good | Good |
| NY | Yes | Poor | Poor | Poor |
| OH | Yes | Good | Good | Good |
| OK | Yes | Good | Good | Good |
| OR | Yes | Good | Good | Good |
| PA | No | n/a | n/a | n/a |
| RI | Yes | Good | Good | Good |
| SC | Yes | Good | Good | Good |
| SD | Yes | Good | Good | Good |
| TN | Yes | Good | Good | Good |
| TX | Yes | Good | Good | Good |
| UT | Yes | Good | Good | Good |
| VA | Yes | Good | Good | Good |
| VT | Yes | Good | Good | Good |
| WA | Yes | Good | Good | Good |
| WI | Yes | Good | Good | Good |
| WV | Yes | Good | Good | Good |
| WY | Yes | Good | Good | Good |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

¹AK is CVIEW Certified but exempt from IFTA uploading.

²CA, FL, and NC are exempt from baselining so receive credit for purposes of calculating the Overall rating.

Overview of DQ Measures – T-22 (IRP)

The T-22 DQ Measures rate the quality of IRP data uploaded by IRP CVIEW-certified States to SAFER. Every month, five individual measures and an overall measure are calculated for each IRP CVIEW-certified State, and ratings are reported. For each individual measure, a rating of Good, Fair, or Poor is generated and a rating value is assigned; the Overall rating is calculated from individual rating values.

Individual Measures – T-22

The T-22 Individual Measures, calculated ratings, and rating values are defined below.

ITD Data Quality Measures – T-22 (IRP) – Effective April 2020

| Measure | Standard | Method / Data Source | Calculation/Ratings | Rating Value |
|---|--|--|--|--|
| 1 Timeliness: Upload Frequency | Daily uploads | Compare number of T-22 uploads per month to the frequency standard (number of business days in evaluated month). Calculate the percent of upload frequency achieved compared to standard. Source: Daily Reports, sending States. | $M1 = \# \text{ uploads} / \# \text{ business days}$ Good if $M1 \% \geq 100$ Fair if $95 \leq M1 \% \leq 99$ Poor if $0 \leq M1 \% \leq 94$ | Good = 3 Fair = 2 Poor = 1 |
| 2 Completeness: Successful Uploads | Minimal error rate | Calculate the percent of received T-22 records that were applied to SAFER (not rejected). Source: Log files, counts of received vs applied. | $M2 = \# \text{ applied} / \# \text{ received}, 0, \text{ if } \# \text{ received} = 0$ Good if $M2 \% = 100$ Fair if $95 \leq M2 \% \leq 99$ Poor if $0 \leq M2 \% \leq 94$ | Good = 3 Fair = 2 Poor = 1 |
| 3 Accuracy: Last Update Date Currency | Update date must not be older than existing data | Calculate the percent of total T-22 records that were not rejected with the error "Older than existing data." Source: Log files. Counts of error message "Older than existing data." | $M3 = 100\% - (\# \text{ rejected_error} / \# \text{ received}), 0, \text{ if } \# \text{ received} = 0$ Good if $M3 \% = 100$ Fair if $98 \leq M3 \% \leq 99$ Poor if $0 \leq M3 \% \leq 97$ | Good = 3 Fair = 2 Poor = 1 0, else |
| 4 Validity: Vehicle Reg./IRP Status | Vehicle reg. status and IRP status must be aligned | Calculate the percent of active T-22 Interstate records (Active IRP status) that show valid vehicle registration. Source: SAFER database. Query of process time, Interstate flag, reg. status, IRP status. | $M4 = 100\% - (\# \text{ count} / \# \text{ active}), 0, \text{ if } \# \text{ active} = 0$ Good if $M4 \% = 100$ Fair if $95 \leq M4 \% \leq 99$ Poor if $0 \leq M4 \% \leq 94$ | Good = 3 Fair = 2 Poor = 1 |
| 5 Baseline Frequency | Annual IRP Baseline (minimum) | Source: ITD Support records. | $M5 = 2, \text{ if exempt}$ $M5 = 1, \text{ if baseline in last 12 mos.}$ $M5 = 0, \text{ if no baseline in last 12 mos.}$ Good if $M5 = 1 \text{ or } 2$ Poor if $M5 = 0$ | Good = 3 Poor = 1 |

Overall Measure – T-22

The T-22 Overall rating is calculated as shown below.

T-22 Overall Rating Calculation – Effective August 2022

| Individual T-22 Rating Values | Measure Weights | Overall Rating Calculation | Overall Rating Ranges |
|----------------------------------|---|--|--|
| Good = 3 Fair = 2 Poor = 1 | M1: Timely Uploads = 15% M2: Completeness = 30% M3: Accuracy = 20% M4: Validity = 30% M5: Timely Baselines = 5% | $(M1 \text{ Rating Value} * 15\%)$ $+ (M2 \text{ Rating Value} * 30\%)$ $+ (M3 \text{ Rating Value} * 20\%)$ $+ (M4 \text{ Rating Value} * 30\%)$ $+ (M5 \text{ Rating Value} * 5\%)$ If calculated Overall Rating is $<1, = 0$ | Good: 2.7 – 3.0 Fair: 2.3 – 2.6 Poor: ≤ 2.2 |

Overall Ratings – T-22 (IRP)

All ratings are presented in this report as a rolling three months for comparison purposes. For reference, the chart below shows each State's Core and CVIEW certification status, along with its Overall ratings.

State T-22 (IRP) Overall Ratings May – July 2024

| | | |
|-----------------|-----------------|-------------|
| Good: 2.7 – 3.0 | Fair: 2.3 – 2.6 | Poor: ≤ 2.2 |
|-----------------|-----------------|-------------|

| STATE | Core Certified | IRP CVIEW Certified | May Overall Rating | June Overall Rating | July Overall Rating |
|-----------------|----------------|---------------------|--------------------|---------------------|---------------------|
| AK | Yes | Yes | 2.7 | 2.7 | 2.7 |
| AL | Yes | Yes | 3.0 | 3.0 | 2.9 |
| AR | Yes | Yes | 3.0 | 3.0 | 3.0 |
| AZ | Yes | Yes | 2.7 | 2.7 | 2.4 |
| CA | Yes | Yes | 2.7 | 2.2 | 3.0 |
| CO | Yes | Yes | 2.7 | 2.7 | 2.7 |
| CT | Yes | Yes | 3.0 | 3.0 | 3.0 |
| DC | No | Yes | n/a | n/a | n/a |
| DE | Yes | Yes | 2.4 | 2.4 | 2.4 |
| FL [‡] | Yes | Yes | 2.4 | 1.4 | 1.9 |
| GA | Yes | Yes | 3.0 | 2.7 | 3.0 |
| HI | No | No | n/a | n/a | n/a |
| IA [†] | Yes | Yes | 3.0 | 2.3 | 2.5 |
| ID | Yes | Yes | 3.0 | 3.0 | 3.0 |
| IL | Yes | Yes | 2.4 | 2.4 | 2.4 |
| IN | Yes | Yes | 3.0 | 3.0 | 3.0 |
| KS | Yes | Yes | 3.0 | 3.0 | 3.0 |
| KY | Yes | Yes | 3.0 | 3.0 | 3.0 |
| LA | Yes | Yes | 3.0 | 3.0 | 2.9 |
| MA | Yes | Yes | 3.0 | 3.0 | 2.7 |
| MD | Yes | Yes | 3.0 | 1.6 | 3.0 |
| ME | Yes | Yes | 3.0 | 2.9 | 2.9 |
| MI | Yes | Yes | 3.0 | 3.0 | 3.0 |
| MN | No | Yes | 3.0 | 3.0 | 3.0 |
| MO | Yes | Yes | 3.0 | 3.0 | 3.0 |
| MS | Yes | Yes | 3.0 | 3.0 | 3.0 |

| STATE | Core Certified | IRP CVIEW Certified | May Overall Rating | June Overall Rating | July Overall Rating |
|-----------------|----------------|---------------------|--------------------|---------------------|---------------------|
| MT | Yes | Yes | 3.0 | 3.0 | 3.0 |
| NC | Yes | Yes | 3.0 | 3.0 | 3.0 |
| ND** | Yes | Yes | 2.2 | 2.7 | 2.2 |
| NE | Yes | Yes | 3.0 | 3.0 | 3.0 |
| NH | Yes | Yes | 3.0 | 3.0 | 3.0 |
| NJ | Yes | Yes | 2.7 | 2.7 | 2.7 |
| NM | Yes | Yes | 3.0 | 2.7 | 3.0 |
| NV | Yes | Yes | 3.0 | 3.0 | 3.0 |
| NY | Yes | Yes | 3.0 | 3.0 | 3.0 |
| OH | Yes | Yes | 3.0 | 3.0 | 3.0 |
| OK | Yes | Yes | 2.4 | 2.4 | 2.4 |
| OR | Yes | Yes | 3.0 | 3.0 | 3.0 |
| PA | No | Yes | 3.0 | 3.0 | 3.0 |
| RI | Yes | Yes | 3.0 | 3.0 | 3.0 |
| SC | Yes | Yes | 3.0 | 2.7 | 2.4 |
| SD | Yes | Yes | 3.0 | 3.0 | 3.0 |
| TN | Yes | Yes | 3.0 | 3.0 | 3.0 |
| TX | Yes | Yes | 3.0 | 3.0 | 3.0 |
| UT | Yes | Yes | 3.0 | 3.0 | 3.0 |
| VA [‡] | Yes | Yes | 3.0 | 2.7 | 2.2 |
| VT | Yes | Yes | 3.0 | 3.0 | 2.7 |
| WA | Yes | Yes | 2.7 | 2.7 | 3.0 |
| WI | Yes | Yes | 3.0 | 3.0 | 2.7 |
| WV | Yes | Yes | 3.0 | 3.0 | 2.4 |
| WY | Yes | Yes | 3.0 | 3.0 | 3.0 |

* May T-22 Overall ratings were negatively impacted by IDR business rules, which affected the M2 and M3 ratings.

† June T-22 Overall ratings were negatively impacted by IDR business rules, which affected the M2 and M3 ratings.

‡ July T-22 Overall ratings were negatively impacted by IDR business rules, which affected the M2 and M3 ratings.

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

National Counts of T-22 Overall Rating Ranges May – July 2024

| May Overall Ratings | IRP CVIEW Certified | June Overall Ratings | IRP CVIEW Certified | July Overall Ratings | IRP CVIEW Certified |
|---------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
| Good | 44 | Good | 42 | Good | 39 |
| Fair | 4 | Fair | 4 | Fair | 7 |
| Poor | 1 | Poor | 3 | Poor | 3 |
| Total | 49 | Total | 49 | Total | 49 |

Note: The CVIEW-certified totals in this table might not equal the total number of CVIEW-certified States due to insufficient data for calculating an Overall rating in any month.

Individual Ratings by State – T-22 (IRP)

M1 Timeliness: Upload Frequency – T-22

Standard: Daily uploads. Upload frequency equals or exceeds number of business days in the evaluated month.
Frequency Standard = 22: July had 23 weekdays, 1 Federal holiday, no SAFER down days, and no IDR down days.

Methodology: Compare the number of uploads to the frequency standard; calculate the percentage of the frequency standard achieved by the State.

Source: Daily Reports, 7/1/2024 – 7/31/2024.

Rating Ranges:

- Good: ≥ 100%
- Fair: 95 – 99%
- Poor: ≤ 94%

M1 Timeliness: Upload Frequency – T-22 State Ratings May – July 2024

| | | |
|--------------|----------------|-------------|
| Good: ≥ 100% | Fair: 95 - 99% | Poor: ≤ 94% |
|--------------|----------------|-------------|

| STATE | IRP CVIEW Certified | May Uploads % of Stnd. | June Uploads % of Stnd. | July Uploads % of Stnd. |
|-------|---------------------|------------------------|-------------------------|-------------------------|
| AK | Yes | 148 | 158 | 141 |
| AL | Yes | 148 | 158 | 141 |
| AR | Yes | 148 | 158 | 141 |
| AZ | Yes | 138 | 158 | 136 |
| CA | Yes | 138 | 158 | 132 |
| CO | Yes | 100 | 126 | 105 |
| CT | Yes | 133 | 142 | 114 |
| DC | Yes | n/a | n/a | n/a |
| DE | Yes | 124 | 142 | 123 |
| FL | Yes | 148 | 158 | 141 |
| GA | Yes | 143 | 158 | 141 |
| HI | No | n/a | n/a | n/a |
| IA | Yes | 148 | 153 | 141 |
| ID | Yes | 133 | 137 | 114 |
| IL | Yes | 143 | 147 | 127 |
| IN | Yes | 143 | 158 | 136 |
| KS | Yes | 148 | 147 | 136 |
| KY | Yes | 148 | 158 | 141 |
| LA | Yes | 124 | 121 | 95 |
| MA | Yes | 129 | 121 | 123 |
| MD | Yes | 119 | 116 | 118 |
| ME | Yes | 138 | 142 | 95 |
| MI | Yes | 143 | 158 | 141 |
| MN | Yes | 124 | 132 | 132 |
| MO | Yes | 148 | 147 | 132 |
| MS | Yes | 129 | 137 | 123 |

Note: Some States upload on weekends/holidays.

| STATE | IRP CVIEW Certified | May Uploads % of Stnd. | June Uploads % of Stnd. | July Uploads % of Stnd. |
|-------|---------------------|------------------------|-------------------------|-------------------------|
| MT | Yes | 114 | 132 | 100 |
| NC | Yes | 143 | 153 | 141 |
| ND | Yes | 148 | 147 | 132 |
| NE | Yes | 143 | 158 | 136 |
| NH | Yes | 119 | 137 | 127 |
| NJ | Yes | 148 | 158 | 141 |
| NM | Yes | 100 | 100 | 100 |
| NV | Yes | 143 | 137 | 141 |
| NY | Yes | 148 | 158 | 141 |
| OH | Yes | 143 | 158 | 141 |
| OK | Yes | 129 | 147 | 123 |
| OR | Yes | 148 | 158 | 141 |
| PA | Yes | 143 | 158 | 141 |
| RI | Yes | 148 | 158 | 141 |
| SC | Yes | 124 | 142 | 123 |
| SD | Yes | 148 | 147 | 141 |
| TN | Yes | 124 | 137 | 118 |
| TX | Yes | 148 | 158 | 141 |
| UT | Yes | 133 | 147 | 127 |
| VA | Yes | 148 | 158 | 141 |
| VT | Yes | 110 | 142 | 86 |
| WA | Yes | 124 | 142 | 132 |
| WI | Yes | 129 | 126 | 123 |
| WV | Yes | 105 | 116 | 105 |
| WY | Yes | 133 | 158 | 136 |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

M2 Completeness: Successful Uploads – T-22

Standard: Minimal error rate.

Methodology: Calculate the percent of received T-22 records that were applied to SAFER (not rejected).

Source: Error logs, 7/1/2024 – 7/31/2024.

Rating Ranges:

- Good: 100%
- Fair: 95 – 99%
- Poor: ≤ 94%

M2 Completeness: Successful Uploads – T-22 State Ratings May – July 2024

| | | |
|------------|----------------|-------------|
| Good: 100% | Fair: 95 - 99% | Poor: ≤ 94% |
|------------|----------------|-------------|

| STATE | IRP CVIEW Certified | May % Successful Uploads | June % Successful Uploads | July % Successful Uploads |
|------------------|---------------------------|--------------------------------|---------------------------------|---------------------------------|
| AK | Yes | 100 | 100 | 100 |
| AL | Yes | 100 | 100 | 100 |
| AR | Yes | 100 | 100 | 100 |
| AZ | Yes | 100 | 100 | 100 |
| CA | Yes | 100 | 99 | 100 |
| CO | Yes | 97 | 96 | 98 |
| CT | Yes | 100 | 100 | 100 |
| DC | Yes | 100 | 100 | 100 |
| DE | Yes | 100 | 100 | 100 |
| FL [‡] | Yes | 100 | 84 | 99 |
| GA | Yes | 100 | 100 | 100 |
| HI | No | n/a | n/a | n/a |
| IA ^{††} | Yes | 100 | 95 | 99 |
| ID | Yes | 100 | 100 | 100 |
| IL | Yes | 100 | 100 | 100 |
| IN | Yes | 100 | 100 | 100 |
| KS | Yes | 100 | 100 | 100 |
| KY | Yes | 100 | 100 | 100 |
| LA | Yes | 100 | 100 | 100 |
| MA | Yes | 100 | 100 | 100 |
| MD | Yes | 100 | 0 | 100 |
| ME | Yes | 100 | 100 | 100 |
| MI | Yes | 100 | 100 | 100 |
| MN | Yes | 100 | 100 | 100 |
| MO | Yes | 100 | 100 | 100 |
| MS | Yes | 100 | 100 | 100 |

| STATE | IRP CVIEW Certified | May % Successful Uploads | June % Successful Uploads | July % Successful Uploads |
|------------------|---------------------------|--------------------------------|---------------------------------|---------------------------------|
| MT | Yes | 100 | 100 | 100 |
| NC | Yes | 100 | 100 | 100 |
| ND ^{*‡} | Yes | 99 | 100 | 99 |
| NE | Yes | 100 | 100 | 100 |
| NH | Yes | 100 | 100 | 100 |
| NJ | Yes | 100 | 100 | 100 |
| NM | Yes | 100 | 97 | 100 |
| NV | Yes | 100 | 100 | 100 |
| NY | Yes | 100 | 100 | 100 |
| OH | Yes | 100 | 100 | 100 |
| OK | Yes | 100 | 100 | 100 |
| OR | Yes | 100 | 100 | 100 |
| PA | Yes | 100 | 100 | 100 |
| RI | Yes | 100 | 100 | 100 |
| SC | Yes | 100 | 100 | 99 |
| SD | Yes | 100 | 100 | 100 |
| TN | Yes | 100 | 100 | 100 |
| TX | Yes | 100 | 100 | 100 |
| UT | Yes | 100 | 100 | 100 |
| VA [‡] | Yes | 100 | 100 | 99 |
| VT | Yes | 100 | 100 | 100 |
| WA | Yes | 100 | 100 | 100 |
| WI | Yes | 100 | 100 | 100 |
| WV | Yes | 100 | 100 | 100 |
| WY | Yes | 100 | 100 | 100 |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

* May T-22 Overall ratings were negatively impacted by IDR business rules.

† June T-22 Overall ratings were negatively impacted by IDR business rules.

‡ July T-22 Overall ratings were negatively impacted by IDR business rules.

M3 Accuracy: Last Update Date Currency – T-22

Standard: Update date must not be older than existing data.

Methodology: Calculate the percent of total T-22 records in SAFER that were not rejected with the error “Older than existing data.”

Source: Error logs, 7/1/2024 – 7/31/2024.

Rating Ranges:

- Good: 100%
- Fair: 98 – 99%
- Poor: ≤ 97%

M3 Accuracy: Last Update Date Currency – T-22 State Ratings May – July 2024

| | | |
|------------|----------------|-------------|
| Good: 100% | Fair: 98 - 99% | Poor: ≤ 97% |
|------------|----------------|-------------|

| State | IRP CVIEW Certified | May % Current | June % Current | July % Current |
|------------------|---------------------|---------------|----------------|----------------|
| AK | Yes | 100 | 100 | 100 |
| AL | Yes | 100 | 100 | 100 |
| AR | Yes | 100 | 100 | 100 |
| AZ | Yes | 100 | 100 | 100 |
| CA | Yes | 100 | 99 | 100 |
| CO | Yes | 100 | 100 | 100 |
| CT | Yes | 100 | 100 | 100 |
| DC | Yes | 100 | 100 | 100 |
| DE | Yes | 100 | 100 | 100 |
| FL [‡] | Yes | 100 | 88 | 99 |
| GA | Yes | 100 | 100 | 100 |
| HI | No | n/a | n/a | n/a |
| IA ^{††} | Yes | 100 | 95 | 99 |
| ID | Yes | 100 | 100 | 100 |
| IL | Yes | 100 | 100 | 100 |
| IN | Yes | 100 | 100 | 100 |
| KS | Yes | 100 | 100 | 100 |
| KY | Yes | 100 | 100 | 100 |
| LA | Yes | 100 | 100 | 100 |
| MA | Yes | 100 | 100 | 100 |
| MD | Yes | 100 | 0 | 100 |
| ME | Yes | 100 | 100 | 100 |
| MI | Yes | 100 | 100 | 100 |
| MN | Yes | 100 | 100 | 100 |
| MO | Yes | 100 | 100 | 100 |
| MS | Yes | 100 | 100 | 100 |

| State | IRP CVIEW Certified | May % Current | June % Current | July % Current |
|------------------|---------------------|---------------|----------------|----------------|
| MT | Yes | 100 | 100 | 100 |
| NC | Yes | 100 | 100 | 100 |
| ND ^{*‡} | Yes | 99 | 100 | 99 |
| NE | Yes | 100 | 100 | 100 |
| NH | Yes | 100 | 100 | 100 |
| NJ | Yes | 100 | 100 | 100 |
| NM | Yes | 100 | 100 | 100 |
| NV | Yes | 100 | 100 | 100 |
| NY | Yes | 100 | 100 | 100 |
| OH | Yes | 100 | 100 | 100 |
| OK | Yes | 100 | 100 | 100 |
| OR | Yes | 100 | 100 | 100 |
| PA | Yes | 100 | 100 | 100 |
| RI | Yes | 100 | 100 | 100 |
| SC | Yes | 100 | 100 | 100 |
| SD | Yes | 100 | 100 | 100 |
| TN | Yes | 100 | 100 | 100 |
| TX | Yes | 100 | 100 | 100 |
| UT | Yes | 100 | 100 | 100 |
| VA [‡] | Yes | 100 | 100 | 99 |
| VT | Yes | 100 | 100 | 100 |
| WA | Yes | 100 | 100 | 100 |
| WI | Yes | 100 | 100 | 100 |
| WV | Yes | 100 | 100 | 100 |
| WY | Yes | 100 | 100 | 100 |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

* May T-22 M2 ratings were negatively impacted by IDR business rules.

† June T-22 Overall ratings were negatively impacted by IDR business rules.

‡ July T-22 Overall ratings were negatively impacted by IDR business rules.

M4 Validity: Vehicle Registration Status – T-22

Standard: Vehicle registration status and IRP status must be aligned.

Methodology: Calculate the percent of active T-22 Interstate records (IRP status of Active) that show valid vehicle registration.

Source: SAFER, 8/5/2024. (Query of process time, Interstate flag, registration status, IRP status.)

Rating Ranges:

- Good: 100%
- Fair: 95 – 99%
- Poor: ≤ 94%

M4 Validity: Vehicle Registration Status – T-22 State Ratings May – July 2024

| | | |
|------------|----------------|-------------|
| Good: 100% | Fair: 95 - 99% | Poor: ≤ 94% |
|------------|----------------|-------------|

| State | IRP CVIEW Certified | May % Aligned | June % Aligned | July % Aligned |
|-----------------|---------------------|---------------|----------------|----------------|
| AK | Yes | 99 | 99 | 99 |
| AL | Yes | 100 | 100 | 100 |
| AR | Yes | 100 | 100 | 100 |
| AZ | Yes | 96 | 96 | 86 |
| CA | Yes | 99 | 99 | 100 |
| CO | Yes | 100 | 100 | 100 |
| CT | Yes | 100 | 100 | 100 |
| DC | Yes | 100 | 100 | 100 |
| DE | Yes | 94 | 94 | 92 |
| FL | Yes | 61 | 61 | 61 |
| GA | Yes | 100 | 98 | 100 |
| HI | No | n/a | n/a | n/a |
| IA | Yes | 100 | 100 | 100 |
| ID | Yes | 100 | 100 | 100 |
| IL | Yes | 73 | 74 | 75 |
| IN | Yes | 100 | 100 | 100 |
| KS ¹ | Yes | 100 | 100 | 100 |
| KY | Yes | 100 | 100 | 100 |
| LA | Yes | 100 | 100 | 100 |
| MA | Yes | 100 | 100 | 99 |
| MD | Yes | 100 | 99 | 100 |
| ME | Yes | 100 | 100 | 100 |
| MI | Yes | 100 | 100 | 100 |
| MN | Yes | 100 | 100 | 100 |
| MO | Yes | 100 | 100 | 100 |
| MS | Yes | 100 | 100 | 100 |

| State | IRP CVIEW Certified | May % Aligned | June % Aligned | July % Aligned |
|-----------------|---------------------|---------------|----------------|----------------|
| MT | Yes | 100 | 100 | 100 |
| NC | Yes | 100 | 100 | 100 |
| ND | Yes | 98 | 98 | 96 |
| NE | Yes | 100 | 100 | 100 |
| NH | Yes | 100 | 100 | 100 |
| NJ | Yes | 99 | 97 | 96 |
| NM | Yes | 100 | 100 | 100 |
| NV | Yes | 100 | 100 | 100 |
| NY | Yes | 100 | 100 | 100 |
| OH | Yes | 100 | 100 | 100 |
| OK ² | Yes | 94 | 94 | 93 |
| OR | Yes | 100 | 100 | 100 |
| PA | Yes | 100 | 100 | 100 |
| RI | Yes | 100 | 100 | 100 |
| SC | Yes | 100 | 99 | 99 |
| SD | Yes | 100 | 100 | 100 |
| TN | Yes | 100 | 100 | 100 |
| TX | Yes | 100 | 100 | 100 |
| UT | Yes | 100 | 100 | 100 |
| VA | Yes | 100 | 99 | 99 |
| VT | Yes | 100 | 100 | 100 |
| WA | Yes | 99 | 99 | 100 |
| WI | Yes | 100 | 100 | 99 |
| WV | Yes | 100 | 100 | 86 |
| WY ¹ | Yes | 100 | 100 | 100 |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

Note: Rating anomalies may result from the variety of renewal grace periods across States. While the M4 measure allows for a 30-day grace period, individual State grace periods range from 30 to 90 days.

¹ ITD DQ team has been notified of State's renewal grace period of 90 days.

² ITD DQ team has been notified of State's renewal grace period of 60 days.

M5 Timeliness: IRP Baseline Frequency – T-22

Standard: Annual IRP baseline (minimum).

Source: ITD Support records.

Rating Ranges:

- **Good:** State conducted an IRP baseline at least once in the past 12 months.
- **Poor:** State did not conduct an IRP baseline in the past 12 months.

| STATE | Aug-24 | Sep-24 | Oct-24 |
|-------|--------|--------|--------|
| AZ | DUE | | |
| CO | DUE | | |
| IL | | DUE | |
| IN | DUE | | |
| MS | DUE | | |
| TN | | | DUE |
| TX | | | DUE |
| WA | | | DUE |

M5 Timeliness: IRP Baseline Frequency – T-22 State Ratings May – July 2024

| | | |
|----------------------------------|-------------------------------------|-------------------------|
| Good: Baseline in Last 12 Months | Poor: No Baseline in Last 12 Months | Good: Baseline Due Soon |
|----------------------------------|-------------------------------------|-------------------------|

| State | IRP CVIEW Certified | May Rating | June Rating | July Rating |
|-------|---------------------|------------|-------------|-------------|
| AK* | Yes | Good | Good | Good |
| AL | Yes | Good | Good | Poor |
| AR | Yes | Good | Good | Good |
| AZ | Yes | Good | Good | Good |
| CA | Yes | Good | Good | Good |
| CO | Yes | Good | Good | Good |
| CT | Yes | Good | Good | Good |
| DC | Yes | Good | Good | Good |
| DE | Yes | Good | Good | Good |
| FL* | Yes | Good | Good | Good |
| GA | Yes | Good | Good | Good |
| HI | No | n/a | n/a | n/a |
| IA | Yes | Good | Good | Good |
| ID | Yes | Good | Good | Good |
| IL | Yes | Good | Good | Good |
| IN | Yes | Good | Good | Good |
| KS | Yes | Good | Good | Good |
| KY | Yes | Good | Good | Good |
| LA | Yes | Good | Good | Good |
| MA | Yes | Good | Good | Good |
| MD | Yes | Good | Poor | Good |
| ME | Yes | Good | Poor | Good |
| MI | Yes | Good | Good | Good |
| MN | Yes | Good | Good | Good |
| MO | Yes | Good | Good | Good |
| MS | Yes | Good | Good | Good |
| MT | Yes | Good | Good | Good |

| State | IRP CVIEW Certified | May Rating | June Rating | July Rating |
|-------|---------------------|------------|-------------|-------------|
| NC | Yes | Good | Good | Good |
| ND | Yes | Good | Good | Good |
| NE | Yes | Good | Good | Good |
| NH | Yes | Good | Good | Good |
| NJ | Yes | Good | Good | Good |
| NM | Yes | Good | Good | Good |
| NV | Yes | Good | Good | Good |
| NY | Yes | Good | Good | Good |
| OH | Yes | Good | Good | Good |
| OK | Yes | Good | Good | Good |
| OR | Yes | Good | Good | Good |
| PA | Yes | Good | Good | Good |
| RI | Yes | Good | Good | Good |
| SC | Yes | Good | Good | Good |
| SD | Yes | Good | Good | Good |
| TN | Yes | Good | Good | Good |
| TX | Yes | Good | Good | Good |
| UT | Yes | Good | Good | Good |
| VA | Yes | Good | Good | Good |
| VT | Yes | Good | Good | Good |
| WA | Yes | Good | Good | Good |
| WI | Yes | Good | Good | Good |
| WV | Yes | Good | Good | Good |
| WY | Yes | Good | Good | Good |

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

* State is exempt from baselining so receives credit for purposes of calculating the Overall rating.

Additional Information

SAFER Processing Report

The ITD Support team is aware that data quality can be impacted by the availability and timeliness of SAFER processing. The ITD DQ Evaluation report includes the following information about baseline processing and CVIEW production for the evaluated month.

| July | Count / Month |
|---|---------------|
| Baselining States | 7 |
| IRP Only: CA, DC, MD | 3 |
| IFTA Only: NC | 1 |
| IFTA and IRP: DE, ID, ME | 3 |
| Known Day(s) with Delays in CVIEW Production | 0 |
| Known Day(s) with Delays in IDR Production | 0 |

Indicator of Responsiveness to Reported Data Quality Issues

The DQ Communication Process was developed and implemented to collect and report on specific data quality issues found by any State involving another State’s data. Volpe collects and communicates State-reported findings, reaching out to responsible States to not only facilitate record correction, but to help the State identify conditions that may contribute to a larger data quality problem. This process depends on State participation, i.e., reporting findings and, if contacted by Volpe, promptly responding to issues. Since June 2014, Volpe has shared counts of reported and resolved issues at ITD Program Manager and ITD ACCB meetings; this indicator supplements that reporting.

Counts of Reported and Resolved DQ Issues

As of 8/13/2024:

- October 2023: 9 States with reported issues. 2/30 pending.
- February 2024: 9 States with reported issues. 3/124 pending.
- March 2024: 13 States with reported issues. 1/43 are still pending.
- April 2024: 12 States with reported issues. 1/51 pending.
- May 2024: 9 States with reported issues. 20/33 pending.
- June 2024: 11 States with reported issues. 5/29 pending.
- July 2024: 14 States with reported issues. 84/103 pending.

Note: Starting with December 2022, DQ discrepancies reported by PrePass are included in these counts.

Responsiveness Indicator Criteria

The Responsiveness Indicator is described below in terms of the indicator’s standard and methodology, and the status categories of Good, Fair, and Poor. The table that follows lists the status of the current evaluated month along with the previous two months’, for reference.

- **Standard:** Resolve reported issue(s) within 30 days.
- **Methodology:** The number of days between a State being notified by Volpe of a DQ issue and resolving that issue is compared to the 30-day standard.

Responsiveness to Reported Data Quality Issues by State May – July 2024

Status Categories

- Good: Issue(s) reported and resolved within 30 days.
- Fair: Issue(s) reported during the evaluated month.
- Poor: Reported issue(s) are more than one month old.
- n/a: Not Applicable; no issues reported for that State.

| | | |
|--------------------------------------|--|--|
| Good: All Reported Issue(s) Resolved | Fair: Issue(s) Reported in Evaluated Month | Poor: Issue(s) More Than One Month Old |
|--------------------------------------|--|--|

| State | Core Certified | May Status | June Status | July Status |
|-------|----------------|------------|-------------|-------------|
| AK | Yes | n/a | n/a | n/a |
| AL | Yes | Good | n/a | n/a |
| AR | Yes | n/a | Good | n/a |
| AZ | Yes | Poor | Poor | Poor |
| CA | Yes | Poor | Good | Fair |
| CO | Yes | n/a | n/a | n/a |
| CT | Yes | n/a | n/a | n/a |
| DC | No | n/a | n/a | n/a |
| DE | Yes | n/a | n/a | n/a |
| FL | Yes | Poor | Poor | Poor |
| GA | Yes | n/a | n/a | n/a |
| HI | No | n/a | n/a | n/a |
| IA | Yes | Good | Good | Good |
| ID | Yes | n/a | n/a | n/a |
| IL | Yes | Fair | Poor | Poor |
| IN | Yes | Good | Good | Fair |
| KS | Yes | n/a | Fair | Good |
| KY | Yes | n/a | n/a | Good |
| LA | Yes | n/a | n/a | n/a |
| MA | Yes | n/a | n/a | n/a |
| MD | Yes | n/a | n/a | Good |
| ME | Yes | n/a | n/a | n/a |
| MI | Yes | n/a | n/a | n/a |
| MN | No | n/a | n/a | n/a |
| MO | Yes | n/a | n/a | n/a |
| MS | Yes | n/a | n/a | n/a |

| State | Core Certified | May Status | June Status | July Status |
|-------|----------------|------------|-------------|-------------|
| MT | Yes | n/a | n/a | n/a |
| NC | Yes | n/a | n/a | n/a |
| ND | Yes | n/a | n/a | n/a |
| NE | Yes | n/a | n/a | n/a |
| NH | Yes | n/a | n/a | n/a |
| NJ | Yes | n/a | n/a | n/a |
| NM | Yes | n/a | n/a | n/a |
| NV | Yes | Good | Good | Fair |
| NY | Yes | n/a | n/a | n/a |
| OH | Yes | n/a | Fair | Good |
| OK | Yes | n/a | n/a | Fair |
| OR | Yes | Fair | Poor | Poor |
| PA | No | n/a | n/a | n/a |
| RI | Yes | n/a | n/a | n/a |
| SC | Yes | n/a | n/a | n/a |
| SD | Yes | n/a | n/a | n/a |
| TN | Yes | n/a | n/a | n/a |
| TX | Yes | n/a | Good | n/a |
| UT | Yes | n/a | n/a | n/a |
| VA | Yes | n/a | n/a | Good |
| VT | Yes | n/a | n/a | n/a |
| WA | Yes | Poor | Poor | Poor |
| WI | Yes | n/a | n/a | n/a |
| WV | Yes | n/a | n/a | n/a |
| WY | Yes | n/a | n/a | n/a |

Appendix: Evolution of the ITD Data Quality (DQ) Measures

Since 2015, the ITD Support team has analyzed State ITD data submitted to SAFER and reported monthly DQ results to the ITD community. The development and modification of the ITD DQ Measures and associated modifications to the monthly DQ report are summarized here.



- June 2015 report:** The initial DQ measures evaluated T-22 (IRP Registration Input Transaction). Preliminary State ratings based on April 2015 data were presented in June at the FY 2015 ITD Workshop and the first monthly DQ report was published the same month.
- August 2015 report:** A new indicator of State responsiveness to individual DQ issues reported to Volpe via the DQ Communication Process. Results are NOT included in the Overall Measure rating.
- October 2015 report:** A second set of measures like the T-22 measures to evaluate T-19 (IFTA Input Transaction). **Note:** The introduction of the T-19 measures necessitated a change to the T-22 measure of Baseline Frequency (M5), which did not distinguish between baselines of IRP and IFTA data. Going forward, IRP and IFTA baselines will be tracked and evaluated separately.
- February 2016 report:** A modification to the T-19 (IFTA) Measures. In March 2016, the T-19 Validity Measure (M4) was reassessed. Given the variations across States in reporting of the measure's evaluated fields, an accurate rating could not be assigned to all States; thus, M4 was removed from the calculation of the T-19 Overall rating. These changes were implemented with the February 2016 evaluation, but monthly ratings were adjusted going back to October 2015.
- April 2020 report:** Modifications to the T-22 (IRP) Measures. By 2019, State ratings had improved significantly. While most States were regularly achieving Good Overall ratings, there was room for improvement. Modifications raised the bar of rating categories for the Timeliness (M1), Completeness (M2), and Validity (M4) measures, and adjusted the calculation of the Overall rating to put more emphasis on successful uploads (M2).

Adjusted Calculation of T-22 Overall Rating – April 2020

| T-22 Measure | Previous Weight | New Weight |
|--------------|-----------------|------------|
| M1 | 20% | 15% |
| M2 | 20% | 30% |
| M3 | 20% | No change |
| M4 | 30% | No change |
| M5 | 10% | 5% |

Changes to Selected T-22 Individual Rating Ranges – April 2020

| T-22 Measure | Good Rating | Fair Rating | Poor Rating |
|--------------------|---|--|--|
| M1 Timeliness | Previous: $\geq 100\%$ April 2020: No change | Previous: 77-99% April 2020: 95-99% | Previous: $\leq 76\%$ April 2020: $\leq 94\%$ |
| M2 Completeness | Previous: 96-100% April 2020: 100% | Previous: 90-95% April 2020: 95-99% | Previous: $\leq 89\%$ April 2020: $\leq 94\%$ |
| M4 Validity | Previous: 100% April 2020: No change | Previous: 90-99% April 2020: 95-99% | Previous: $\leq 89\%$ April 2020: $\leq 94\%$ |

- September 2021 report:** Modifications to the T-19 (IFTA) Measures. On June 1, 2021, to ensure consistent data for the T-19 Validity Measure (M4), the “IFTA account expiration date” field was made mandatory in SAFER. After a three-month preview period, all CVIEW-certified, non-exempt States began receiving an M4 rating and the M4 measure was again included in the T-19 Overall rating calculation. (See “February 2016 report” above for background.)

Adjusted Calculation of T-19 Overall Rating – September 2021

| T-19 Measure | Previous Weight | New Weight |
|--------------|-----------------|------------|
| M1 | 30% | 15% |
| M2 | 30% | No change |
| M3 | 30% | 20% |
| M4 | Excluded | 30% |
| M5 | 10% | 5% |

- December 2021 report:** Modifications to the T-19 (IFTA) Measures. By late 2021, while most States regularly achieved Good Overall T-19 (IFTA) ratings, there was room for improvement. Modifications implemented with the December 2021 evaluation raised the bar of rating categories for the Timeliness (M1), Completeness (M2), and Validity (M4) Measures to align with the T-22 (IRP) Measures.

Changes to Selected T-19 Individual Rating Ranges – December 2021

| T-19 Measure | Good Rating | Fair Rating | Poor Rating |
|----------------------------|---|--|--|
| M1 Timeliness | Previous: ≥ 100% Dec. 2021: No change | Previous: 77-99% Dec. 2021: 95-99% | Previous: ≤ 76% Dec. 2021: ≤ 94% |
| M2 Completeness | Previous: 96-100% Dec. 2021: 100% | Previous: 90-95% Dec. 2021: 95-99% | Previous: ≤ 89% Dec. 2021: ≤ 94% |
| M4 Validity | Previous: 100% Dec. 2021: No change | Previous: 90-99% Dec. 2021: 95-99% | Previous: ≤ 89% Dec. 2021: ≤ 94% |

- August 2022 report:** Modifications to both the T-19 (IFTA) and T-22 (IRP) Measures. As a follow-on to the December 2021 changes, the rating ranges for both Overall Ratings were adjusted to raise the bar of the Good, Fair, and Poor ratings.

Adjustments to Overall Rating Ranges – August 2022

| Good Rating | Fair Rating | Poor Rating |
|--|--|--|
| Previous: 2.5 – 3.0 Aug. 2022: 2.7 – 3.0 | Previous: 2.0 – 2.4 Aug. 2022: 2.3 – 2.6 | Previous: ≤ 1.9 Aug. 2022: ≤ 2.2 |