



U.S. Department  
of Transportation

Federal Motor  
Carrier Safety  
Administration



**ITD** **INNOVATIVE TECHNOLOGY  
DEPLOYMENT**

# ITD State Data Quality Evaluation Results

MARCH | 2024

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# ITD State Data Quality Evaluation Results

## March 2024

This report presents the results of the March 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 ACCB<sup>1</sup> 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 IFTA<sup>2</sup> and IRP<sup>3</sup> 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.



<sup>1</sup> ACCB – ITD Architecture Change Control Board.

<sup>2</sup> IFTA – International Fuel Tax Association.

<sup>3</sup> 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
<b>1 Timeliness:</b> 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. <b>Source:</b> Daily Reports, sending States.	M1 = # uploads / # business days <b>Good</b> if M1 % >= 100 <b>Fair</b> if 95 <= M1 % <= 99 <b>Poor</b> if 0 <= M1 % <= 94	<b>Good</b> = 3 <b>Fair</b> = 2 <b>Poor</b> = 1
<b>2 Completeness:</b> Successful Uploads	Minimal error rate	Calculate the percent of received T-19 records that were applied to SAFER (not rejected). <b>Source:</b> Log files, counts of received vs applied.	M2 = # applied / # received, 0, if # received = 0 <b>Good</b> if M2 % = 100 <b>Fair</b> if 95 <= M2 % <= 99 <b>Poor</b> if 0 <= M2 % <= 94	<b>Good</b> = 3 <b>Fair</b> = 2 <b>Poor</b> = 1
<b>3 Accuracy:</b> 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.” <b>Source:</b> Log files. Counts of error message “Older than existing data.”	M3 = 100% - (# rejected_error / # received), 0, if # received = 0 <b>Good</b> if M3 % = 100 <b>Fair</b> if 98 <= M3 % <= 99 <b>Poor</b> if 0 <= M3 % <= 97	<b>Good</b> = 3 <b>Fair</b> = 2 <b>Poor</b> = 1
<b>4 Validity:</b> 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). <b>Source:</b> SAFER database. Query of process time, Interstate flag, IFTA exp. date, IFTA status.	M4 = 100% - (# count / # active), 0, if # active = 0 <b>Good</b> if M4 % = 100 <b>Fair</b> if 95 <= M4 % <= 99 <b>Poor</b> if 0 <= M4 % <= 94	<b>Good</b> = 3 <b>Fair</b> = 2 <b>Poor</b> = 1
<b>5 Baseline Frequency</b>	Annual IRP Baseline (minimum)	<b>Source:</b> ITD Support records.	M5 = 2, if exempt M5 = 1, if baseline last 12 mos. M5 = 0, if no baseline last 12 mos.	<b>Good</b> = 3 <b>Poor</b> = 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 January – March 2024

Good: 2.7 – 3.0	Fair: 2.3 – 2.6	Poor: ≤ 2.2
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STATE	Core Certified	IFTA CVIEW Certified	Jan. Overall Rating	Feb. Overall Rating	March Overall Rating
AK*	Yes	Yes	n/a	n/a	n/a
AL	Yes	Yes	3.0	3.0	3.0
AR	Yes	Yes	3.0	3.0	3.0
AZ	Yes	Yes	2.1	2.1	2.4
CA	Yes	Yes	3.0	3.0	3.0
CO	Yes	Yes	2.7	2.8	3.0
CT	Yes	Yes	2.7	2.7	2.1
DC	No	No	n/a	n/a	n/a
DE	Yes	Yes	3.0	3.0	3.0
FL	Yes	Yes	2.4	2.4	2.4
GA	Yes	Yes	2.6	3.0	3.0
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	3.0	3.0	2.4
ID	Yes	Yes	2.7	3.0	3.0
IL	Yes	Yes	2.7	2.9	2.9
IN	Yes	Yes	3.0	3.0	3.0
KS	Yes	Yes	2.7	3.0	2.4
KY	Yes	Yes	1.7	2.7	2.7
LA	Yes	Yes	2.0	3.0	3.0
MA	Yes	Yes	2.7	3.0	2.7
MD	Yes	Yes	3.0	3.0	3.0
ME	Yes	Yes	3.0	3.0	2.7
MI	Yes	Yes	3.0	3.0	3.0
MN	No	Yes	2.7	2.7	2.9
MO	Yes	Yes	3.0	3.0	2.7
MS	Yes	Yes	2.2	3.0	3.0

STATE	Core Certified	IFTA CVIEW Certified	Jan. Overall Rating	Feb. Overall Rating	March Overall Rating
MT	Yes	Yes	3.0	3.0	3.0
NC	Yes	Yes	3.0	3.0	2.7
ND	No	No	n/a	n/a	n/a
NE	Yes	Yes	3.0	3.0	3.0
NH	Yes	Yes	3.0	3.0	3.0
NJ	Yes	Yes	3.0	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	3.0	2.9
OH	Yes	Yes	2.9	2.3	2.9
OK	Yes	Yes	2.9	3.0	2.3
OR	Yes	Yes	3.0	3.0	3.0
PA	No	No	n/a	n/a	n/a
RI	Yes	Yes	2.7	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	2.7	2.6	2.9
VA	Yes	Yes	3.0	3.0	3.0
VT	Yes	Yes	3.0	3.0	3.0
WA	Yes	Yes	3.0	2.9	2.7
WI	Yes	Yes	2.5	3.0	2.7
WV	Yes	Yes	3.0	3.0	3.0
WY	Yes	Yes	3.0	3.0	2.4

\*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 January – March 2024

Jan. Overall Rating	IFTA CVIEW Certified	Feb. Overall Rating	IFTA CVIEW Certified	March Overall Rating	IFTA CVIEW Certified
Good	39	Good	42	Good	39
Fair	3	Fair	3	Fair	6
Poor	4	Poor	1	Poor	1
<b>Total</b>	<b>46</b>	<b>Total</b>	<b>46</b>	<b>Total</b>	<b>46</b>

**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 = 21:** March had 21 weekdays, no Federal holidays, 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, 3/1/2024 – 3/31/2024.

### Rating Ranges:

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

## M1 Timeliness: Upload Frequency – T-19 State Ratings January – March 2024

Good: ≥ 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IFTA CVIEW Certified	Jan. Uploads % of Standard	Feb. Uploads % of Standard	March Uploads % of Standard
AK*	Yes	n/a	n/a	n/a
AL	Yes	124	145	133
AR	Yes	148	135	124
AZ	Yes	81	105	105
CA	Yes	148	145	143
CO	Yes	81	95	100
CT	Yes	86	85	86
DC	No	n/a	n/a	n/a
DE	Yes	133	135	129
FL	Yes	105	105	100
GA	Yes	90	100	100
HI	No	n/a	n/a	n/a
IA	Yes	119	135	133
ID	Yes	86	100	100
IL	Yes	90	95	95
IN	Yes	105	145	133
KS	Yes	90	100	100
KY	Yes	148	145	148
LA	Yes	138	105	100
MA	Yes	90	100	105
MD	Yes	148	140	148
ME	Yes	143	125	105
MI	Yes	148	145	143
MN	Yes	86	90	95
MO	Yes	129	115	138
MS	Yes	57	100	100

STATE	IFTA CVIEW Certified	Jan. Uploads % of Standard	Feb. Uploads % of Standard	March Uploads % of Standard
MT	Yes	138	140	148
NC	Yes	148	145	148
ND	No	n/a	n/a	n/a
NE	Yes	129	130	110
NH	Yes	148	130	119
NJ	Yes	143	145	143
NM	Yes	76	90	86
NV	Yes	148	130	138
NY	Yes	95	100	100
OH	Yes	95	95	95
OK	Yes	95	115	110
OR	Yes	100	105	114
PA	No	n/a	n/a	n/a
RI	Yes	124	135	148
SC	Yes	138	120	105
SD	Yes	148	140	148
TN	Yes	148	130	148
TX	Yes	105	105	100
UT	Yes	90	80	95
VA	Yes	148	145	143
VT	Yes	133	135	133
WA	Yes	105	95	100
WI	Yes	105	105	100
WV	Yes	124	145	148
WY	Yes	143	145	148

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, 3/1/2024 – 3/31/2024.

### Rating Ranges:

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

## M2 Completeness: Successful Uploads – T-19 State Ratings January – March 2024

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IFTA CVIEW Certified	Jan. % Successful Uploads	Feb. % Successful Uploads	March % Successful Uploads
AK*	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	99	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	91	100	100
LA	Yes	96	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	98	100	100
MT	Yes	100	100	100

STATE	IFTA CVIEW Certified	Jan. % Successful Uploads	Feb. % Successful Uploads	March % Successful Uploads
NC	Yes	100	100	100
ND	No	n/a	n/a	n/a
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	42	100
OK	Yes	100	100	100
OR	Yes	100	100	100
PA	No	n/a	n/a	n/a
RI	Yes	99	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	99	100	100
WV	Yes	100	100	100
WY	Yes	100	100	99

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, 3/1/2024 – 3/31/2024.

**Rating Ranges:**

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

### M3 Accuracy: Last Update Date Currency – T-19 State Ratings January – March 2024

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%
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STATE	IFTA CVIEW Certified	Jan. % Current	Feb. % Current	March % 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	91	100	100
LA	Yes	96	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	98	100	100
MT	Yes	100	100	100

STATE	IFTA CVIEW Certified	Jan. % Current	Feb. % Current	March % Current
NC	Yes	100	100	100
ND	No	n/a	n/a	n/a
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	99	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, 4/4/2024. (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 January – March 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%
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STATE	IFTA CVIEW Certified	Jan. % Aligned	Feb. % Aligned	March % Aligned
AK <sup>1</sup>	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	84	91	81
CA <sup>2</sup>	Yes	100	100	100
CO	Yes	100	100	100
CT	Yes	100	100	32
DC	No	n/a	n/a	n/a
DE	Yes	100	100	100
FL	Yes	88	88	86
GA	Yes	100	100	100
HI	No	n/a	n/a	n/a
IA	Yes	100	100	89
ID	Yes	100	100	100
IL	Yes	100	100	100
IN	Yes	100	100	100
KS	Yes	100	100	94
KY	Yes	99	99	98
LA	Yes	97	100	100
MA	Yes	100	100	96
MD	Yes	100	100	100
ME	Yes	100	100	99
MI	Yes	100	100	100
MN	Yes	100	100	100
MO	Yes	100	100	97
MS	Yes	100	100	100

STATE	IFTA CVIEW Certified	Jan. % Aligned	Feb. % Aligned	March % Aligned
MT	Yes	100	100	100
NC <sup>2</sup>	Yes	100	100	98
ND	No	n/a	n/a	n/a
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	12
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	99
WI	Yes	100	100	99
WV	Yes	100	100	100
WY	Yes	100	100	96

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

<sup>1</sup>AK is CVIEW Certified but exempt from IFTA uploading.

<sup>2</sup> 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	Apr-24	May-24	Jun-24
KS	DUE		
KY			DUE
MD	DUE		
ME			DUE
MN	DUE		
NH			DUE
NV			DUE
SD			DUE

## M5 Timeliness: IFTA Baseline Frequency – T-19 State Ratings January – March 2024

Good: Baseline in Last 12 Months	Poor: No Baseline in Last 12 Months	Good: Baseline Due Soon
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State	IFTA CVIEW Certified	Jan. Rating	Feb. Rating	March Rating
AK <sup>1</sup>	Yes	n/a	n/a	n/a
AL	Yes	Good	Good	Good
AR	Yes	Good	Good	Good
AZ	Yes	Good	Good	Good
CA <sup>2</sup>	Yes	Good	Good	Good
CO	Yes	Good	Poor	Good
CT	Yes	Good	Good	Good
DC	No	n/a	n/a	n/a
DE	Yes	Good	Good	Good
FL <sup>2</sup>	Yes	Good	Good	Good
GA	Yes	Poor	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	Good	Good
ME	Yes	Good	Good	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	Jan. Rating	Feb. Rating	March Rating
MT	Yes	Good	Good	Good
NC <sup>2</sup>	Yes	Good	Good	Good
ND	No	n/a	n/a	n/a
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	Poor
OH	Yes	Good	Good	Good
OK	Yes	Good	Good	Poor
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	Poor	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.

<sup>1</sup>AK is CVIEW Certified but exempt from IFTA uploading.

<sup>2</sup>CA, 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
<b>1 Timeliness:</b> 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. <b>Source:</b> Daily Reports, sending States.	$M1 = \# \text{ uploads} / \# \text{ business days}$  <b>Good</b> if $M1 \% \geq 100$ <b>Fair</b> if $95 \leq M1 \% \leq 99$ <b>Poor</b> if $0 \leq M1 \% \leq 94$	<b>Good</b> = 3 <b>Fair</b> = 2 <b>Poor</b> = 1
<b>2 Completeness:</b> Successful Uploads	Minimal error rate	Calculate the percent of received T-22 records that were applied to SAFER (not rejected). <b>Source:</b> Log files, counts of received vs applied.	$M2 = \# \text{ applied} / \# \text{ received}, 0, \text{ if } \# \text{ received} = 0$  <b>Good</b> if $M2 \% = 100$ <b>Fair</b> if $95 \leq M2 \% \leq 99$ <b>Poor</b> if $0 \leq M2 \% \leq 94$	<b>Good</b> = 3 <b>Fair</b> = 2 <b>Poor</b> = 1
<b>3 Accuracy:</b> 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." <b>Source:</b> Log files. Counts of error message "Older than existing data."	$M3 = 100\% - (\# \text{ rejected\_error} / \# \text{ received}), 0, \text{ if } \# \text{ received} = 0$  <b>Good</b> if $M3 \% = 100$ <b>Fair</b> if $98 \leq M3 \% \leq 99$ <b>Poor</b> if $0 \leq M3 \% \leq 97$	<b>Good</b> = 3 <b>Fair</b> = 2 <b>Poor</b> = 1 0, else
<b>4 Validity:</b> 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. <b>Source:</b> SAFER database. Query of process time, Interstate flag, reg. status, IRP status.	$M4 = 100\% - (\# \text{ count} / \# \text{ active}), 0, \text{ if } \# \text{ active} = 0$  <b>Good</b> if $M4 \% = 100$ <b>Fair</b> if $95 \leq M4 \% \leq 99$ <b>Poor</b> if $0 \leq M4 \% \leq 94$	<b>Good</b> = 3 <b>Fair</b> = 2 <b>Poor</b> = 1
<b>5 Baseline Frequency</b>	Annual IRP Baseline (minimum)	<b>Source:</b> ITD Support records.	$M5 = 2, \text{ if exempt}$ $M5 = 1, \text{ if baseline in last 12 mos.}$ $M5 = 0, \text{ if no baseline in last 12 mos.}$  <b>Good</b> if $M5 = 1 \text{ or } 2$ <b>Poor</b> if $M5 = 0$	<b>Good</b> = 3 <b>Poor</b> = 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: $\leq 2.2$

## 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 January – March 2024

Good: 2.7 – 3.0	Fair: 2.3 – 2.6	Poor: ≤ 2.2
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STATE	Core Certified	IRP CVIEW Certified	Jan. Overall Rating	Feb. Overall Rating	March Overall Rating
AK	Yes	Yes	2.7	2.7	2.7
AL	Yes	Yes	3.0	3.0	3.0
AR	Yes	Yes	3.0	3.0	3.0
AZ	Yes	Yes	2.7	2.7	2.7
CA	Yes	Yes	3.0	3.0	3.0
CO	Yes	Yes	3.0	2.7	3.0
CT	Yes	Yes	3.0	3.0	3.0
DC	No	Yes	n/a	n/a	n/a
DE	Yes	Yes	3.0	3.0	3.0
FL	Yes	Yes	2.4	2.4	2.4
GA	Yes	Yes	3.0	2.7	3.0
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	2.7	2.2	2.7
ID	Yes	Yes	3.0	3.0	3.0
IL	Yes	Yes	3.0	3.0	3.0
IN	Yes	Yes	3.0	3.0	3.0
KS	Yes	Yes	2.4	3.0	3.0
KY	Yes	Yes	3.0	3.0	3.0
LA	Yes	Yes	3.0	3.0	3.0
MA	Yes	Yes	3.0	3.0	3.0
MD	Yes	Yes	3.0	3.0	3.0
ME	Yes	Yes	3.0	3.0	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	3.0	3.0	3.0

STATE	Core Certified	IRP CVIEW Certified	Jan. Overall Rating	Feb. Overall Rating	March Overall Rating
MT	Yes	Yes	3.0	3.0	3.0
NC	Yes	Yes	2.9	2.9	3.0
ND	No	Yes	2.3	2.3	3.0
NE	Yes	Yes	3.0	3.0	3.0
NH	Yes	Yes	3.0	3.0	3.0
NJ	Yes	Yes	3.0	2.7	2.7
NM	Yes	Yes	3.0	3.0	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	2.2	2.7
OR	Yes	Yes	2.7	3.0	3.0
PA	No	Yes	2.9	2.9	3.0
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	3.0	3.0	3.0
VA	Yes	Yes	2.7	2.7	2.7
VT	Yes	Yes	3.0	3.0	3.0
WA	Yes	Yes	3.0	3.0	3.0
WI	Yes	Yes	2.7	3.0	3.0
WV	Yes	Yes	3.0	3.0	3.0
WY	Yes	Yes	3.0	3.0	3.0

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

### National Counts of T-22 Overall Rating Ranges December January – March 2024

Jan. Overall Ratings	IRP CVIEW Certified	Feb. Overall Ratings	IRP CVIEW Certified	March Overall Ratings	IRP CVIEW Certified
Good	45	Good	45	Good	48
Fair	4	Fair	2	Fair	1
Poor	0	Poor	2	Poor	0
<b>Total</b>	<b>49</b>	<b>Total</b>	<b>49</b>	<b>Total</b>	<b>49</b>

**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 = 21:** March had 21 weekdays, no Federal holidays, 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, 3/1/2024 – 3/31/2024.

### Rating Ranges:

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

## M1 Timeliness: Upload Frequency – T-22 State Ratings January – March 2024

Good: ≥ 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IRP CVIEW Certified	Jan. Uploads % of Stnd.	Feb. Uploads % of Stnd.	March Uploads % of Stnd.
AK	Yes	150	145	148
AL	Yes	155	145	143
AR	Yes	155	140	133
AZ	Yes	140	140	143
CA	Yes	140	135	148
CO	Yes	115	85	124
CT	Yes	130	100	114
DC	Yes	n/a	n/a	n/a
DE	Yes	130	115	110
FL	Yes	145	145	148
GA	Yes	155	145	148
HI	No	n/a	n/a	n/a
IA	Yes	140	140	138
ID	Yes	115	125	138
IL	Yes	145	125	138
IN	Yes	155	145	148
KS	Yes	125	130	143
KY	Yes	155	145	148
LA	Yes	115	115	110
MA	Yes	115	120	119
MD	Yes	130	115	143
ME	Yes	125	140	138
MI	Yes	155	145	138
MN	Yes	130	115	138
MO	Yes	155	145	148
MS	Yes	140	135	138

Note: Some States upload on weekends/holidays.

STATE	IRP CVIEW Certified	Jan. Uploads % of Stnd.	Feb. Uploads % of Stnd.	March Uploads % of Stnd.
MT	Yes	120	115	114
NC	Yes	150	140	143
ND	Yes	140	125	133
NE	Yes	150	140	148
NH	Yes	145	130	124
NJ	Yes	150	145	148
NM	Yes	100	110	105
NV	Yes	150	140	138
NY	Yes	155	145	148
OH	Yes	140	145	148
OK	Yes	150	140	133
OR	Yes	155	145	148
PA	Yes	145	135	143
RI	Yes	150	145	148
SC	Yes	135	135	129
SD	Yes	155	145	148
TN	Yes	135	135	133
TX	Yes	155	145	148
UT	Yes	140	145	133
VA	Yes	155	145	148
VT	Yes	110	125	110
WA	Yes	120	120	124
WI	Yes	115	100	100
WV	Yes	100	105	114
WY	Yes	155	145	148

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, 3/1/2024 – 3/31/2024.

### Rating Ranges:

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

## M2 Completeness: Successful Uploads – T-22 State Ratings January – March 2024

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IRP CVIEW Certified	Jan. % Successful Uploads	Feb. % Successful Uploads	March % 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	100	100
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	Yes	100	100	100
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	99	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

STATE	IRP CVIEW Certified	Jan. % Successful Uploads	Feb. % Successful Uploads	March % Successful Uploads
MT	Yes	100	100	100
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	99	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	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.

### 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, 3/1/2024 – 3/31/2024.

**Rating Ranges:**

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

### M3 Accuracy: Last Update Date Currency – T-22 State Ratings January – March 2024

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%
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State	IRP CVIEW Certified	Jan. % Current	Feb. % Current	March % Current
AK	Yes	100	100	100
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	Yes	100	100	100
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	99	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

State	IRP CVIEW Certified	Jan. % Current	Feb. % Current	March % Current
MT	Yes	100	100	100
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	99	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	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.

## 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, 4/4/2024. (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 January – March 2024

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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State	IRP CVIEW Certified	Jan. % Aligned	Feb. % Aligned	March % Aligned
AK	Yes	99	99	99
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	97	97	97
CA	Yes	100	100	100
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	Yes	100	100	100
DE	Yes	100	100	100
FL	Yes	62	62	61
GA	Yes	100	97	100
HI	No	n/a	n/a	n/a
IA	Yes	97	98	97
ID	Yes	100	100	100
IL	Yes	100	100	100
IN	Yes	100	100	100
KS <sup>1</sup>	Yes	41	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

State	IRP CVIEW Certified	Jan. % Aligned	Feb. % Aligned	March % Aligned
MT	Yes	100	100	100
NC	Yes	100	100	100
ND	Yes	86	86	100
NE	Yes	100	100	100
NH	Yes	100	100	100
NJ	Yes	100	99	97
NM	Yes	100	100	100
NV	Yes	100	100	100
NY	Yes	100	100	100
OH	Yes	100	100	100
OK <sup>2</sup>	Yes	90	96	95
OR	Yes	97	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	98	96	95
VT	Yes	100	100	100
WA	Yes	100	100	100
WI	Yes	99	100	100
WV	Yes	100	100	100
WY <sup>1</sup>	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.

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

<sup>2</sup> 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	Apr-24	May-24	Jun-24
GA			DUE
KY			DUE
MA	DUE		
MD			DUE
ME			DUE
MN	DUE		
NH			DUE
NV			DUE
SD			DUE

## M5 Timeliness: IRP Baseline Frequency – T-22 State Ratings January – March 2024

Good: Baseline in Last 12 Months	Poor: No Baseline in Last 12 Months	Good: Baseline Due Soon
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State	IRP CVIEW Certified	Jan. Rating	Feb. Rating	March Rating
AK*	Yes	Good	Good	Good
AL	Yes	Good	Good	Good
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	Good	Good
ME	Yes	Good	Good	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	Jan. Rating	Feb. Rating	March Rating
NC	Yes	Poor	Poor	Good
ND	Yes	Poor	Poor	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	Poor	Poor	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.

March	Count / Month
<b>Baselining States</b>	<b>13</b>
<b>IRP Only:</b> AR, MI, NC, PA	4
<b>IFTA Only:</b> CA, CO, IL, UT	4
<b>IFTA and IRP:</b> LA, MT, ND, NE, SC	5
<b>Known Day(s) with Delays in CVIEW Production</b>	<b>0</b>
<b>Known Day(s) with Delays in IDR Production</b>	<b>0</b>

## 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 4/16/2024:

- October 2023: 9 States with reported issues. 2/30 pending.
- November 2023: 13 States with reported issues. 1/50 pending.
- December 2023: 4 States with reported issues. 1/4 pending.
- January 2024: 15 States with reported issues. 1/38 pending.
- February 2024: 9 States with reported issues. 5/124 pending.
- March 2024: 13 States with reported issues. 4/43 are still 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 January – March 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
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State	Core Certified	Jan. Status	Feb. Status	March Status
AK	Yes	n/a	n/a	n/a
AL	Yes	n/a	n/a	n/a
AR	Yes	Good	Fair	Poor
AZ	Yes	Good	Fair	Poor
CA	Yes	Poor	Poor	Poor
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	Good	n/a	n/a
FL	Yes	n/a	n/a	Fair
GA	Yes	n/a	n/a	n/a
HI	No	n/a	n/a	n/a
IA	Yes	Good	n/a	Good
ID	Yes	Good	n/a	Good
IL	Yes	Poor	Good	Good
IN	Yes	Good	Fair	Good
KS	Yes	Poor	Poor	Poor
KY	Yes	n/a	n/a	n/a
LA	Yes	Fair	Good	n/a
MA	Yes	n/a	n/a	n/a
MD	Yes	n/a	n/a	n/a
ME	Yes	n/a	n/a	n/a
MI	Yes	Good	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	Jan. Status	Feb. Status	March Status
MT	Yes	n/a	n/a	n/a
NC	Yes	n/a	n/a	n/a
ND	No	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	Good	n/a	n/a
NV	Yes	n/a	n/a	n/a
NY	Yes	n/a	n/a	Fair
OH	Yes	Good	Good	Good
OK	Yes	Good	n/a	n/a
OR	Yes	Good	Good	n/a
PA	No	Good	Good	Good
RI	Yes	n/a	n/a	n/a
SC	Yes	Good	n/a	n/a
SD	Yes	n/a	Good	Good
TN	Yes	n/a	n/a	Good
TX	Yes	Good	Good	Good
UT	Yes	n/a	n/a	n/a
VA	Yes	Good	n/a	n/a
VT	Yes	n/a	n/a	n/a
WA	Yes	Poor	Poor	Poor
WI	Yes	Good	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: <b>95-99%</b>	Previous: $\leq 76\%$ April 2020: <b><math>\leq 94\%</math></b>
M2 Completeness	Previous: 96-100% April 2020: <b>100%</b>	Previous: 90-95% April 2020: <b>95-99%</b>	Previous: $\leq 89\%$ April 2020: <b><math>\leq 94\%</math></b>
M4 Validity	Previous: 100% April 2020: No change	Previous: 90-99% April 2020: <b>95-99%</b>	Previous: $\leq 89\%$ April 2020: <b><math>\leq 94\%</math></b>

- 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
<b>M1 Timeliness</b>	Previous: $\geq 100\%$ <b>Dec. 2021: No change</b>	Previous: 77-99% <b>Dec. 2021: 95-99%</b>	Previous: $\leq 76\%$ <b>Dec. 2021: <math>\leq 94\%</math></b>
<b>M2 Completeness</b>	Previous: 96-100% <b>Dec. 2021: 100%</b>	Previous: 90-95% <b>Dec. 2021: 95-99%</b>	Previous: $\leq 89\%$ <b>Dec. 2021: <math>\leq 94\%</math></b>
<b>M4 Validity</b>	Previous: 100% <b>Dec. 2021: No change</b>	Previous: 90-99% <b>Dec. 2021: 95-99%</b>	Previous: $\leq 89\%$ <b>Dec. 2021: <math>\leq 94\%</math></b>

- 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 <b>Aug. 2022: 2.7 – 3.0</b>	Previous: 2.0 – 2.4 <b>Aug. 2022: 2.3 – 2.6</b>	Previous: $\leq 1.9$ <b>Aug. 2022: <math>\leq 2.2</math></b>