



U.S. Department  
of Transportation

Federal Motor  
Carrier Safety  
Administration



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

# ITD State Data Quality Evaluation Results

DECEMBER | 2023

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# ITD State Data Quality Evaluation Results

## December 2023

This report presents the results of the December 2023 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, IFTAexp.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 October – December 2023

Good: 2.7 – 3.0	Fair: 2.3 – 2.6	Poor: ≤ 2.2
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STATE	Core Certified	IFTA CVIEW Certified	Oct. Overall Rating	Nov. Overall Rating	Dec. 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	2.0	2.4	2.4
CA	Yes	Yes	2.7	3.0	3.0
CO	Yes	Yes	2.7	2.7	3.0
CT	Yes	Yes	2.7	2.9	2.7
DC	No	No	n/a	n/a	n/a
DE	Yes	Yes	3.0	3.0	3.0
FL	Yes	Yes	2.1	2.4	2.4
GA	Yes	Yes	2.4	2.6	2.6
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	2.9	3.0	3.0
ID	Yes	Yes	2.6	2.6	2.9
IL	Yes	Yes	2.7	2.9	3.0
IN	Yes	Yes	2.9	2.6	1.6
KS	Yes	Yes	3.0	2.7	2.9
KY	Yes	Yes	3.0	3.0	2.7
LA	Yes	Yes	2.9	3.0	3.0
MA	Yes	Yes	2.9	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	2.9	2.9

STATE	Core Certified	IFTA CVIEW Certified	Oct. Overall Rating	Nov. Overall Rating	Dec. Overall Rating
MT	Yes	Yes	3.0	3.0	3.0
NC	Yes	Yes	2.7	3.0	3.0
ND	No	No	n/a	n/a	n/a
NE	Yes	Yes	2.9	3.0	3.0
NH	Yes	Yes	3.0	3.0	3.0
NJ	Yes	Yes	3.0	2.5	2.5
NM	Yes	Yes	2.6	2.8	2.9
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	3.0	3.0	3.0
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	2.7	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	3.0	2.7
VA	Yes	Yes	3.0	3.0	3.0
VT	Yes	Yes	3.0	2.1	2.1
WA	Yes	Yes	3.0	3.0	3.0
WI	Yes	Yes	2.3	3.0	2.5
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 October – December 2023

Oct. Overall Rating	IFTA CVIEW Certified	Nov. Overall Rating	IFTA CVIEW Certified	Dec. Overall Rating	IFTA CVIEW Certified
Good	40	Good	39	Good	39
Fair	4	Fair	6	Fair	5
Poor	2	Poor	1	Poor	2
<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 = 20:** December had 21 weekdays, 1 Federal holiday, and no SAFER down days.

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

**Source:** Daily Reports, 12/1/2023 – 12/31/2023.

### Rating Ranges:

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

## M1 Timeliness: Upload Frequency – T-19 State Ratings October – December 2023

Good: ≥ 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IFTA CVIEW Certified	Oct. Uploads % of Standard	Nov. Uploads % of Standard	Dec. Uploads % of Standard
AK*	Yes	n/a	n/a	n/a
AL	Yes	129	150	130
AR	Yes	138	130	155
AZ	Yes	95	105	125
CA	Yes	43	105	155
CO	Yes	86	90	105
CT	Yes	90	95	90
DC	No	n/a	n/a	n/a
DE	Yes	148	135	135
FL	Yes	86	110	100
GA	Yes	90	95	100
HI	No	n/a	n/a	n/a
IA	Yes	95	115	120
ID	Yes	86	90	100
IL	Yes	90	95	105
IN	Yes	148	40	0
KS	Yes	100	90	95
KY	Yes	148	130	145
LA	Yes	138	135	155
MA	Yes	95	105	105
MD	Yes	148	140	150
ME	Yes	143	115	105
MI	Yes	148	145	150
MN	Yes	100	100	105
MO	Yes	124	140	150
MS	Yes	100	95	95

STATE	IFTA CVIEW Certified	Oct. Uploads % of Standard	Nov. Uploads % of Standard	Dec. Uploads % of Standard
MT	Yes	143	140	150
NC	Yes	43	105	155
ND	No	n/a	n/a	n/a
NE	Yes	95	110	125
NH	Yes	148	130	120
NJ	Yes	133	150	150
NM	Yes	90	95	95
NV	Yes	143	140	120
NY	Yes	105	110	100
OH	Yes	100	100	100
OK	Yes	105	100	105
OR	Yes	119	120	135
PA	No	n/a	n/a	n/a
RI	Yes	143	135	150
SC	Yes	133	125	145
SD	Yes	148	140	145
TN	Yes	148	150	155
TX	Yes	100	115	105
UT	Yes	95	100	85
VA	Yes	148	150	150
VT	Yes	105	50	85
WA	Yes	105	110	110
WI	Yes	105	105	105
WV	Yes	143	120	120
WY	Yes	100	125	140

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, 12/1/2023 – 12/31/2023.

### Rating Ranges:

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

## M2 Completeness: Successful Uploads – T-19 State Ratings October – December 2023

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IFTA CVIEW Certified	Oct. % Successful Uploads	Nov. % Successful Uploads	Dec. % Successful Uploads
AK*	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	99	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	0
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	Oct. % Successful Uploads	Nov. % Successful Uploads	Dec. % 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	98	99
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	99	100	100
SC	Yes	100	99	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	10	84
WA	Yes	100	100	100
WI	Yes	97	100	99
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, 12/1/2023 – 12/31/2023.

**Rating Ranges:**

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

### M3 Accuracy: Last Update Date Currency – T-19 State Ratings October – December 2023

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%
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STATE	IFTA CVIEW Certified	Oct. % Current	Nov. % Current	Dec. % 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	0
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	Oct. % Current	Nov. % Current	Dec. % 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	98	99
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	97	100	99
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, 1/8/2024. (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 October – December 2023

**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	Oct. % Aligned	Nov. % Aligned	Dec. % Aligned
AK <sup>1</sup>	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	48	52	78
CA <sup>2</sup>	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	88	87
GA	Yes	98	98	99
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	99
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	IFTA CVIEW Certified	Oct. % Aligned	Nov. % Aligned	Dec. % Aligned
MT	Yes	100	100	100
NC <sup>2</sup>	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	100	100	100
WV	Yes	100	100	100
WY	Yes	100	100	100

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.

## M5 Timeliness: IFTA Baseline Frequency – T-19 State Ratings October – December 2023

Good: Baseline in Last 12 Months	Poor: No Baseline in Last 12 Months	Good: Baseline Due Soon
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State	Jan-24	Feb-24	Mar-24
CA		DUE	
CO		DUE	
MS		DUE	
NE		DUE	
NJ	DUE		
NY			DUE
OH			DUE
OK			DUE
OR		DUE	
TN			DUE
UT		DUE	
WI			DUE
WV	DUE		

State	IFTA CVIEW Certified	Oct. Rating	Nov. Rating	Dec. 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	Good	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	Good	Good	Poor
HI	No	n/a	n/a	n/a
IA	Yes	Good	Good	Good
ID	Yes	Poor	Poor	Poor
IL	Yes	Good	Good	Good
IN	Yes	Poor	Poor	Poor
KS	Yes	Good	Good	Good
KY	Yes	Good	Good	Good
LA	Yes	Poor	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	Oct. Rating	Nov. Rating	Dec. 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	Poor	Poor	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	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.

<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 = # 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-22 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-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% - (# 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 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% - (# 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 in last 12 mos. M5 = 0, if no baseline in last 12 mos.  <b>Good</b> if M5 = 1 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 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-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 October – December 2023

*Note: Some declining 2023 ratings could be related to State staff focus on the required transition to the IRP Data Repository.*

Good: 2.7 – 3.0	Fair: 2.3 – 2.6	Poor: ≤ 2.2
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STATE	Core Certified	IRP CVIEW Certified	Oct. Overall Rating	Nov. Overall Rating	Dec. Overall Rating
AK	Yes	Yes	2.7	2.7	3.0
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	2.2	3.0	2.5
CO	Yes	Yes	3.0	3.0	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	2.4	2.4
GA	Yes	Yes	3.0	3.0	3.0
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	2.7	3.0	3.0
ID	Yes	Yes	2.7	2.7	2.7
IL	Yes	Yes	3.0	3.0	3.0
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	3.0
MA	Yes	Yes	2.7	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	Oct. Overall Rating	Nov. Overall Rating	Dec. Overall Rating
MT	Yes	Yes	2.7	3.0	3.0
NC	Yes	Yes	2.9	2.9	2.9
ND	No	Yes	2.4	2.4	2.4
NE	Yes	Yes	3.0	3.0	3.0
NH	Yes	Yes	3.0	3.0	3.0
NJ	Yes	Yes	2.4	2.4	2.4
NM	Yes	Yes	1.7	2.3	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	2.7	3.0	2.7
OR	Yes	Yes	3.0	3.0	3.0
PA	No	Yes	2.9	2.9	2.9
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	2.7	2.7	3.0
VA	Yes	Yes	2.7	2.7	2.7
VT	Yes	Yes	2.4	2.6	2.7
WA	Yes	Yes	3.0	3.0	3.0
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

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

### National Counts of T-22 Overall Rating Ranges October – December 2023

Oct. Overall Ratings	IRP CVIEW Certified	Nov. Overall Ratings	IRP CVIEW Certified	Dec. Overall Ratings	IRP CVIEW Certified
Good	42	Good	43	Good	44
Fair	5	Fair	6	Fair	5
Poor	2	Poor	0	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 = 20:** December had 21 weekdays, 1 Federal holiday, and no SAFER down days.
- **Methodology:** Compare the number of uploads to the frequency standard; calculate the percent of the frequency standard achieved by the State.

**Source:** Daily Reports, 12/1/2023 – 12/31/2023.

### Rating Ranges:

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

## M1 Timeliness: Upload Frequency – T-22 State Ratings October – December 2023

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

Note: Some States upload on weekends/holidays.

STATE	IRP CVIEW Certified	Oct. Uploads % of Stnd.	Nov. Uploads % of Stnd.	Dec. Uploads % of Stnd.
MT	Yes	114	115	125
NC	Yes	148	145	150
ND	Yes	148	140	150
NE	Yes	138	145	150
NH	Yes	138	125	120
NJ	Yes	148	150	155
NM	Yes	90	110	115
NV	Yes	143	145	140
NY	Yes	148	150	155
OH	Yes	148	145	155
OK	Yes	133	150	130
OR	Yes	148	150	150
PA	Yes	138	130	150
RI	Yes	148	145	155
SC	Yes	133	135	135
SD	Yes	148	145	155
TN	Yes	124	135	140
TX	Yes	148	150	155
UT	Yes	138	135	145
VA	Yes	148	145	155
VT	Yes	110	95	115
WA	Yes	124	125	125
WI	Yes	110	115	130
WV	Yes	119	105	115
WY	Yes	119	115	140

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, 12/1/2023 – 12/31/2023.

### Rating Ranges:

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

## M2 Completeness: Successful Uploads – T-22 State Ratings October – December 2023

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IRP CVIEW Certified	Oct. % Successful Uploads	Nov. % Successful Uploads	Dec. % Successful Uploads
AK	Yes	100	100	100
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	100	100
CA	Yes	99	100	99
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	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

STATE	IRP CVIEW Certified	Oct. % Successful Uploads	Nov. % Successful Uploads	Dec. % 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	77	99	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	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, 12/1/2023 – 12/31/2023.

**Rating Ranges:**

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

### M3 Accuracy: Last Update Date Currency – T-22 State Ratings October – December 2023

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%
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State	IRP CVIEW Certified	Oct. % Current	Nov. % Current	Dec. % Current
AK	Yes	100	100	100
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	100	100
CA	Yes	99	100	99
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	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

State	IRP CVIEW Certified	Oct. % Current	Nov. % Current	Dec. % 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	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	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, 1/8/2024. (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 October – December 2023

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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State	IRP CVIEW Certified	Oct. % Aligned	Nov. % Aligned	Dec. % Aligned
AK	Yes	99	99	100
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	98	98	99
CA	Yes	99	100	100
CO	Yes	100	100	99
CT	Yes	100	100	100
DC	Yes	100	100	100
DE	Yes	93	92	93
FL	Yes	63	59	60
GA	Yes	100	100	100
HI	No	n/a	n/a	n/a
IA	Yes	99	100	100
ID	Yes	99	99	99
IL	Yes	100	100	100
IN	Yes	100	100	100
KS <sup>1</sup>	Yes	100	100	100
KY	Yes	100	100	100
LA	Yes	100	100	100
MA	Yes	99	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	Oct. % Aligned	Nov. % Aligned	Dec. % Aligned
MT	Yes	99	100	100
NC	Yes	100	100	100
ND	Yes	67	69	89
NE	Yes	100	100	100
NH	Yes	100	100	100
NJ	Yes	91	86	85
NM	Yes	99	99	100
NV	Yes	100	100	100
NY	Yes	100	100	100
OH	Yes	100	100	100
OK <sup>2</sup>	Yes	98	100	98
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	96	99	100
VA	Yes	99	99	99
VT	Yes	94	95	95
WA	Yes	100	100	100
WI	Yes	100	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	Jan-24	Feb-24	Mar-24
ND	DUE		
NE			DUE
OH			DUE

## M5 Timeliness: IRP Baseline Frequency – T-22 State Ratings October – December 2023

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	Oct. Rating	Nov. Rating	Dec. 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	Oct. Rating	Nov. Rating	Dec. Rating
NC	Yes	Poor	Poor	Poor
ND	Yes	Good	Good	Good
NE	Yes	Good	Good	Good
NH	Yes	Good	Good	Good
NJ	Yes	Good	Good	Good
NM	Yes	Poor	Poor	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	Poor
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.

December	Count / Month
<b>Baselining States</b>	<b>4</b>
IRP Only: CA, NY, UT	3
IFTA and IRP: NM	1
<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 1/17/2024:

- October 2023: 9 States with reported issues. 3/30 pending.
- November 2023: 13 States with reported issues. 4/50 pending.
- December 2023: 4 States with reported issues. 2/4 are 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 by State to Reported Data Quality Issues October – December 2023 Results

### 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	Oct. Status	Nov. Status	Dec. Status
AK	Yes	n/a	n/a	n/a
AL	Yes	n/a	n/a	n/a
AR	Yes	n/a	n/a	n/a
AZ	Yes	n/a	n/a	n/a
CA	Yes	n/a	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	Fair	Poor
FL	Yes	n/a	n/a	n/a
GA	Yes	n/a	Good	n/a
HI	No	n/a	n/a	n/a
IA	Yes	Good	n/a	n/a
ID	Yes	Good	Good	n/a
IL	Yes	Good	n/a	Fair
IN	Yes	Good	n/a	n/a
KS	Yes	n/a	Fair	Poor
KY	Yes	n/a	n/a	n/a
LA	Yes	n/a	n/a	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	n/a	Good	n/a
MN	No	n/a	n/a	n/a
MO	Yes	Good	n/a	n/a
MS	Yes	n/a	n/a	n/a

State	Core Certified	Oct. Status	Nov. Status	Dec. Status
MT	Yes	n/a	n/a	n/a
NC	Yes	Good	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	Fair	Poor	Good
NV	Yes	Good	Good	n/a
NY	Yes	n/a	n/a	n/a
OH	Yes	n/a	n/a	n/a
OK	Yes	n/a	Fair	Poor
OR	Yes	Good	Good	n/a
PA	No	n/a	Fair	Poor
RI	Yes	n/a	n/a	n/a
SC	Yes	Poor	Poor	Poor
SD	Yes	n/a	n/a	n/a
TN	Yes	Fair	Good	n/a
TX	Yes	Fair	Good	Good
UT	Yes	n/a	n/a	n/a
VA	Yes	n/a	n/a	n/a
VT	Yes	n/a	n/a	n/a
WA	Yes	Fair	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
<b>M1 Timeliness</b>	Previous: ≥ 100% Dec. 2021: No change	Previous: 77-99% Dec. 2021: 95-99%	Previous: ≤ 76% Dec. 2021: ≤ 94%
<b>M2 Completeness</b>	Previous: 96-100% Dec. 2021: 100%	Previous: 90-95% Dec. 2021: 95-99%	Previous: ≤ 89% Dec. 2021: ≤ 94%
<b>M4 Validity</b>	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