



U.S. Department  
of Transportation

Federal Motor  
Carrier Safety  
Administration



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

# ITD State Data Quality Evaluation Results

APRIL | 2023

# Contents

- ITD DQ Initiative .....1
- Purpose and Evolution of the ITD DQ Measures .....1
- Overview of DQ Measures – T-19 (IFTA).....2
  - Individual Measures – T-19.....2
  - Overall Rating – T-19.....2
- Overall Ratings – T-19 (IFTA) .....3
  - State T-19 (IFTA) Overall Ratings February – April 2023.....3
- Individual Ratings by State – T-19 (IFTA) .....4
  - M1 Timeliness: Upload Frequency – T-19.....4
  - M2 Completeness: Successful Uploads – T-19.....5
  - M3 Accuracy: Last Update Date Currency – T-19.....6
  - M4 Validity: IFTA Account and Status – T-19.....7
  - M5 Timeliness: IFTA Baseline Frequency – T-19.....8
- Overview of DQ Measures – T-22 (IRP).....9
  - Individual Measures – T-22.....9
  - Overall Measure – T-22 .....9
- Overall Ratings – T-22 (IRP) ..... 10
  - State T-22 (IRP) Overall Ratings February – April 2023 ..... 10
- Individual Ratings by State – T-22 (IRP) ..... 11
  - M1 Timeliness: Upload Frequency – T-22..... 11
  - M2 Completeness: Successful Uploads – T-22..... 12
  - M3 Accuracy: Last Update Date Currency – T-22..... 13
  - M4 Validity: Vehicle Registration Status – T-22..... 14
  - M5 Timeliness: IRP Baseline Frequency – T-22 ..... 15
- Additional Information ..... 16
  - SAFER Processing Report ..... 16
  - Indicator of Responsiveness to Reported Data Quality Issues ..... 16
- Appendix: Evolution of the ITD Data Quality (DQ) Measures ..... 18

# ITD State Data Quality Evaluation Results

## April 2023

This report presents the results of the April 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, 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 February – April 2023

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

STATE	Core Certified	IFTA CVIEW Certified	Feb. Overall Rating	March Overall Rating	April Overall Rating
AK*	Yes	Yes	n/a	n/a	n/a
AL	Yes	Yes	3.0	2.7	3.0
AR	Yes	Yes	3.0	2.3	2.4
AZ	Yes	Yes	3.0	2.4	2.3
CA	Yes	Yes	2.7	3.0	3.0
CO	Yes	Yes	2.7	2.9	3.0
CT	Yes	Yes	2.9	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	2.4	2.4	2.1
GA	Yes	Yes	2.7	2.1	2.4
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	2.9	3.0	3.0
ID	Yes	Yes	3.0	2.6	2.7
IL	Yes	Yes	2.9	3.0	3.0
IN	Yes	Yes	3.0	2.7	3.0
KS	Yes	Yes	3.0	2.6	2.4
KY	Yes	Yes	3.0	3.0	3.0
LA	Yes	Yes	3.0	2.6	2.6
MA	Yes	Yes	3.0	2.7	2.7
MD	Yes	Yes	3.0	2.9	3.0
ME	Yes	Yes	3.0	3.0	3.0
MI	Yes	Yes	3.0	2.9	3.0
MN	No	Yes	2.9	2.9	3.0
MO	Yes	Yes	2.9	3.0	3.0
MS	Yes	Yes	2.9	3.0	2.9

STATE	Core Certified	IFTA CVIEW Certified	Feb. Overall Rating	March Overall Rating	April Overall Rating
MT	Yes	Yes	3.0	3.0	2.5
NC	Yes	Yes	3.0	2.4	2.4
ND	No	No	n/a	n/a	n/a
NE	Yes	Yes	3.0	3.0	2.7
NH	Yes	Yes	3.0	3.0	3.0
NJ	Yes	Yes	3.0	3.0	3.0
NM	Yes	Yes	2.9	2.4	3.0
NV	Yes	Yes	3.0	3.0	3.0
NY	Yes	Yes	3.0	2.9	2.9
OH	Yes	Yes	2.7	2.5	2.9
OK	Yes	Yes	3.0	3.0	3.0
OR	Yes	Yes	2.7	2.7	2.7
PA	No	No	n/a	n/a	n/a
RI	Yes	Yes	3.0	3.0	3.0
SC	Yes	Yes	2.7	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	3.0	3.0	3.0
VT	Yes	Yes	2.9	2.5	3.0
WA	Yes	Yes	3.0	2.7	3.0
WI	Yes	Yes	3.0	2.6	3.0
WV	Yes	Yes	3.0	3.0	3.0
WY	Yes	Yes	3.0	2.6	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 February – April 2023

Feb. Overall Rating	IFTA CVIEW Certified	March Overall Rating	IFTA CVIEW Certified	April Overall Rating	IFTA CVIEW Certified
Good	45	Good	33	Good	38
Fair	1	Fair	12	Fair	7
Poor	0	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 = 20:** April had 20 weekdays, no Federal holidays, 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, 4/1/2023 – 4/30/2023.

### Rating Ranges:

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

## M1 Timeliness: Upload Frequency – T-19 State Ratings February – April 2023

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

STATE	IFTA CVIEW Certified	Feb. Uploads % of Standard	March Uploads % of Standard	April Uploads % of Standard
AK*	Yes	n/a	n/a	n/a
AL	Yes	147	130	145
AR	Yes	126	96	125
AZ	Yes	105	109	115
CA	Yes	137	135	150
CO	Yes	42	96	105
CT	Yes	95	96	75
DC	No	n/a	n/a	n/a
DE	Yes	142	113	150
FL	Yes	100	100	90
GA	Yes	84	78	70
HI	No	n/a	n/a	n/a
IA	Yes	126	109	105
ID	Yes	100	96	100
IL	Yes	95	100	100
IN	Yes	147	117	110
KS	Yes	100	96	75
KY	Yes	147	135	140
LA	Yes	147	74	50
MA	Yes	100	100	105
MD	Yes	147	135	140
ME	Yes	132	100	150
MI	Yes	147	135	140
MN	Yes	95	96	100
MO	Yes	111	130	130
MS	Yes	95	100	95

STATE	IFTA CVIEW Certified	Feb. Uploads % of Standard	March Uploads % of Standard	April Uploads % of Standard
MT	Yes	111	135	140
NC	Yes	142	135	150
ND	No	n/a	n/a	n/a
NE	Yes	142	104	90
NH	Yes	132	126	135
NJ	Yes	147	126	145
NM	Yes	95	100	100
NV	Yes	142	117	145
NY	Yes	105	96	95
OH	Yes	89	100	95
OK	Yes	116	104	115
OR	Yes	116	100	120
PA	No	n/a	n/a	n/a
RI	Yes	147	135	145
SC	Yes	47	117	140
SD	Yes	147	135	150
TN	Yes	132	130	150
TX	Yes	105	100	100
UT	Yes	89	91	100
VA	Yes	147	126	150
VT	Yes	100	96	100
WA	Yes	105	104	100
WI	Yes	105	96	100
WV	Yes	147	135	145
WY	Yes	100	96	100

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, 4/1/2023 – 4/30/2023.

### Rating Ranges:

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

## M2 Completeness: Successful Uploads – T-19 State Ratings February – April 2023

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

STATE	IFTA CVIEW Certified	Feb. % Successful Uploads	March % Successful Uploads	April % 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	96	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	99

STATE	IFTA CVIEW Certified	Feb. % Successful Uploads	March % Successful Uploads	April % 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	99	100
OK	Yes	100	100	100
OR	Yes	99	99	99
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, 4/1/2023 – 4/30/2023.

**Rating Ranges:**

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

### M3 Accuracy: Last Update Date Currency – T-19 State Ratings February – April 2023

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

STATE	IFTA CVIEW Certified	Feb. % Current	March % Current	April % 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	99

STATE	IFTA CVIEW Certified	Feb. % Current	March % Current	April % 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	99	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, 5/5/2023. (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 February – April 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%
------------	----------------	-------------

STATE	IFTA CVIEW Certified	Feb. % Aligned	March % Aligned	April % Aligned
AK <sup>1</sup>	Yes	n/a	n/a	n/a
AL	Yes	100	99	100
AR	Yes	100	85	90
AZ	Yes	100	71	73
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	89	87	88
GA	Yes	100	93	95
HI	No	n/a	n/a	n/a
IA	Yes	100	100	100
ID	Yes	100	99	99
IL	Yes	100	100	100
IN	Yes	100	98	100
KS	Yes	100	95	99
KY	Yes	100	100	100
LA	Yes	100	100	100
MA	Yes	100	95	97
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	Feb. % Aligned	March % Aligned	April % Aligned
MT	Yes	100	100	100
NC <sup>2</sup>	Yes	100	48	48
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	94	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	98	100
WA	Yes	100	99	100
WI	Yes	100	99	100
WV	Yes	100	100	100
WY	Yes	100	99	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.

State	May 2023	June 2023	July 2023
AR			DUE
MA			DUE

## M5 Timeliness: IFTA Baseline Frequency – T-19 State Ratings February – April 2023

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

State	IFTA CVIEW Certified	Feb. Rating	March Rating	April 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	Poor
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	Good
HI	No	n/a	n/a	n/a
IA	Yes	Poor	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	Poor	Poor
MA	Yes	Good	Good	Good
MD	Yes	Good	Poor	Good
ME	Yes	Good	Good	Good
MI	Yes	Good	Poor	Good
MN	Yes	Good	Good	Good
MO	Yes	Poor	Good	Good
MS	Yes	Good	Good	Good

State	IFTA CVIEW Certified	Feb. Rating	March Rating	April 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	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	Poor	Poor	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 February – April 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
-----------------	-----------------	-------------

STATE	Core Certified	IRP CVIEW Certified	Feb. Overall Rating	March Overall Rating	April Overall Rating
AK	Yes	Yes	2.7	2.7	2.7
AL	Yes	Yes	2.4	2.4	2.5
AR	Yes	Yes	3.0	2.7	2.5
AZ	Yes	Yes	2.7	2.2	2.7
CA	Yes	Yes	2.5	3.0	3.0
CO	Yes	Yes	2.7	3.0	3.0
CT	Yes	Yes	3.0	3.0	3.0
DC	No	Yes	n/a	n/a	n/a
DE	Yes	Yes	2.7	2.7	2.7
FL	Yes	Yes	2.4	2.4	2.4
GA	Yes	Yes	2.7	2.7	2.7
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	2.7	2.7	3.0
ID	Yes	Yes	2.7	3.0	3.0
IL	Yes	Yes	3.0	3.0	2.3
IN	Yes	Yes	3.0	3.0	3.0
KS	Yes	Yes	2.7	2.7	2.0
KY	Yes	Yes	3.0	3.0	2.7
LA	Yes	Yes	2.7	2.7	2.7
MA	Yes	Yes	3.0	3.0	3.0
MD	Yes	Yes	2.7	2.7	2.7
ME	Yes	Yes	3.0	3.0	3.0
MI	Yes	Yes	2.6	2.6	3.0
MN	No	Yes	3.0	3.0	3.0
MO	Yes	Yes	3.0	3.0	2.4
MS	Yes	Yes	3.0	3.0	3.0

STATE	Core Certified	IRP CVIEW Certified	Feb. Overall Rating	March Overall Rating	April Overall Rating
MT	Yes	Yes	3.0	3.0	3.0
NC	Yes	Yes	2.6	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	2.7	3.0	2.7
NM	Yes	Yes	2.7	2.7	2.7
NV	Yes	Yes	2.7	2.4	2.7
NY	Yes	Yes	3.0	3.0	3.0
OH	Yes	Yes	3.0	3.0	3.0
OK	Yes	Yes	2.2	2.7	2.7
OR	Yes	Yes	2.7	3.0	2.7
PA	No	Yes	2.9	2.9	2.9
RI	Yes	Yes	3.0	3.0	3.0
SC	Yes	Yes	2.7	2.7	2.4
SD	Yes	Yes	3.0	3.0	2.7
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	2.7
VA	Yes	Yes	2.5	3.0	3.0
VT	Yes	Yes	2.6	2.6	3.0
WA	Yes	Yes	3.0	3.0	3.0
WI	Yes	Yes	3.0	2.9	2.1
WV	Yes	Yes	3.0	3.0	3.0
WY	Yes	Yes	3.0	2.7	3.0

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

### National Counts of T-22 Overall Rating Ranges February – April 2023

Feb. Overall Ratings	IRP CVIEW Certified	March Overall Ratings	IRP CVIEW Certified	April Overall Ratings	IRP CVIEW Certified
Good	40	Good	42	Good	40
Fair	8	Fair	6	Fair	7
Poor	1	Poor	1	Poor	2
<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:** April had 20 weekdays, no Federal holidays, 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, 4/1/2023 – 4/30/2023.

### Rating Ranges:

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

## M1 Timeliness: Upload Frequency – T-22 State Ratings February – April 2023

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

STATE	IRP CVIEW Certified	Feb. Uploads % of Stnd.	March Uploads % of Stnd.	April Uploads % of Stnd.
AK	Yes	132	113	140
AL	Yes	147	130	145
AR	Yes	142	122	135
AZ	Yes	132	135	140
CA	Yes	142	126	150
CO	Yes	116	122	125
CT	Yes	126	117	135
DC	Yes	n/a	n/a	n/a
DE	Yes	121	122	120
FL	Yes	147	135	145
GA	Yes	121	135	125
HI	No	n/a	n/a	n/a
IA	Yes	126	135	140
ID	Yes	116	117	140
IL	Yes	142	126	140
IN	Yes	147	130	140
KS	Yes	116	126	135
KY	Yes	147	135	150
LA	Yes	68	113	100
MA	Yes	121	122	130
MD	Yes	121	122	135
ME	Yes	132	122	130
MI	Yes	126	117	140
MN	Yes	105	126	125
MO	Yes	121	135	145
MS	Yes	137	117	125

**Note:** Some States upload on weekends/holidays.

STATE	IRP CVIEW Certified	Feb. Uploads % of Stnd.	March Uploads % of Stnd.	April Uploads % of Stnd.
MT	Yes	121	113	130
NC	Yes	142	135	150
ND	Yes	121	135	150
NE	Yes	147	135	150
NH	Yes	100	117	140
NJ	Yes	147	135	150
NM	Yes	100	104	110
NV	Yes	126	122	130
NY	Yes	147	130	145
OH	Yes	126	130	145
OK	Yes	142	117	130
OR	Yes	142	135	145
PA	Yes	142	135	145
RI	Yes	147	130	135
SC	Yes	53	113	130
SD	Yes	126	135	150
TN	Yes	126	130	150
TX	Yes	147	135	150
UT	Yes	137	122	140
VA	Yes	147	130	150
VT	Yes	100	100	100
WA	Yes	121	126	125
WI	Yes	121	96	85
WV	Yes	100	113	110
WY	Yes	111	87	115

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, 4/1/2023 – 4/30/2023.

### Rating Ranges:

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

## M2 Completeness: Successful Uploads – T-22 State Ratings February – April 2023

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

STATE	IRP CVIEW Certified	Feb. % Successful Uploads	March % Successful Uploads	April % Successful Uploads
AK	Yes	100	100	100
AL	Yes	100	100	99
AR	Yes	100	100	99
AZ	Yes	100	99	100
CA	Yes	99	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	100	100
ID	Yes	100	100	100
IL	Yes	100	100	100
IN	Yes	100	100	100
KS	Yes	97	97	94
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	IRP CVIEW Certified	Feb. % Successful Uploads	March % Successful Uploads	April % 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	99	99	99
NV	Yes	100	98	100
NY	Yes	100	100	100
OH	Yes	100	100	100
OK	Yes	80	100	100
OR	Yes	99	100	99
PA	Yes	100	100	100
RI	Yes	100	100	100
SC	Yes	100	100	100
SD	Yes	100	100	99
TN	Yes	100	100	100
TX	Yes	100	100	100
UT	Yes	100	100	100
VA	Yes	98	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, 4/1/2023 – 4/30/2023.

**Rating Ranges:**

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

### M3 Accuracy: Last Update Date Currency – T-22 State Ratings February – April 2023

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

State	IRP CVIEW Certified	Feb. % Current	March % Current	April % Current
AK	Yes	100	100	100
AL	Yes	100	100	99
AR	Yes	100	100	99
AZ	Yes	100	99	100
CA	Yes	99	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	100	100
ID	Yes	100	100	100
IL	Yes	100	100	100
IN	Yes	100	100	100
KS	Yes	100	100	96
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	Feb. % Current	March % Current	April % 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	99	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	98	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, 5/5/2023. (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 February – April 2023

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

State	IRP CVIEW Certified	Feb. % Aligned	March % Aligned	April % Aligned
AK	Yes	98	99	99
AL	Yes	94	94	100
AR	Yes	100	99	100
AZ	Yes	96	97	96
CA	Yes	100	100	100
CO	Yes	99	100	100
CT	Yes	100	100	100
DC	Yes	100	100	100
DE	Yes	99	99	99
FL	Yes	67	66	66
GA	Yes	95	97	99
HI	No	n/a	n/a	n/a
IA	Yes	99	95	100
ID	Yes	96	100	100
IL	Yes	100	100	83
IN	Yes	100	100	100
KS <sup>1</sup>	Yes	100	100	100
KY	Yes	100	100	100
LA	Yes	100	99	98
MA	Yes	100	100	100
MD	Yes	99	99	99
ME	Yes	100	100	100
MI	Yes	99	99	100
MN	Yes	100	100	100
MO	Yes	100	100	82
MS	Yes	100	100	100

State	IRP CVIEW Certified	Feb. % Aligned	March % Aligned	April % Aligned
MT	Yes	100	100	100
NC	Yes	98	100	100
ND	Yes	68	69	55
NE	Yes	100	100	100
NH	Yes	100	100	100
NJ	Yes	97	100	99
NM	Yes	100	100	100
NV	Yes	99	99	99
NY	Yes	100	100	100
OH	Yes	100	100	100
OK <sup>2</sup>	Yes	100	99	99
OR	Yes	100	100	100
PA	Yes	100	100	100
RI	Yes	100	100	100
SC	Yes	100	97	87
SD	Yes	100	100	100
TN	Yes	100	100	100
TX	Yes	100	100	100
UT	Yes	100	100	95
VA	Yes	100	100	100
VT	Yes	99	99	100
WA	Yes	100	100	100
WI	Yes	100	100	89
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	May 2023	June 2023	July 2023
AK			DUE
GA		DUE	
RI		DUE	

## M5 Timeliness: IRP Baseline Frequency – T-22 State Ratings February – April 2023

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

State	IRP CVIEW Certified	Feb. Rating	March Rating	April 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	Poor
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	Poor	Poor	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	Feb. Rating	March Rating	April 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	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	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	Poor	Poor	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.

April Event	Count / Month
<b>Baselining States</b>	<b>12</b>
<b>IFTA Only:</b> CT, IL, KS, MD	4
<b>IRP Only:</b> CA, MA, OR	3
<b>IFTA and IRP:</b> MI, MN, VA, VT, WY	5
<b>Known Day(s) with Delays in CVIEW 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 5/11/2023:

- December 2022: 12 States with reported issues. 8/349 pending.
- February 2023: 7 States with reported issues. 1/35 pending.
- March 2023: 10 states with reported issues. 0/26 pending
- April 2023: 2 states with reported issues. 0/2 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 February – April 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
--------------------------------------	--	--

State	Core Certified	Feb. Status	March Status	April 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	n/a
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	n/a	n/a	n/a
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	Good	Fair	Poor
IN	Yes	n/a	Good	n/a
KS	Yes	n/a	Good	n/a
KY	Yes	n/a	n/a	n/a
LA	Yes	Good	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	n/a	n/a	n/a
MN	No	n/a	n/a	n/a
MO	Yes	n/a	n/a	Good
MS	Yes	n/a	n/a	n/a

State	Core Certified	Feb. Status	March Status	April Status
MT	Yes	n/a	n/a	Good
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	n/a	n/a	n/a
NV	Yes	n/a	n/a	n/a
NY	Yes	n/a	n/a	n/a
OH	Yes	n/a	n/a	n/a
OK	Yes	Good	n/a	n/a
OR	Yes	Poor	Poor	Poor
PA	No	n/a	n/a	n/a
RI	Yes	n/a	n/a	n/a
SC	Yes	Poor	Fair	Poor
SD	Yes	n/a	n/a	n/a
TN	Yes	n/a	Good	n/a
TX	Yes	n/a	Good	n/a
UT	Yes	n/a	Good	Good
VA	Yes	n/a	n/a	n/a
VT	Yes	n/a	n/a	n/a
WA	Yes	n/a	n/a	n/a
WI	Yes	n/a	Good	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 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: ≥ 100% April 2020: No change	Previous: 77-99% April 2020: 95-99%	Previous: ≤ 76% April 2020: ≤ 94%
M2 Completeness	Previous: 96-100% April 2020: 100%	Previous: 90-95% April 2020: 95-99%	Previous: ≤ 89% April 2020: ≤ 94%
M4 Validity	Previous: 100% April 2020: No change	Previous: 90-99% April 2020: 95-99%	Previous: ≤ 89% April 2020: ≤ 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
<b>M1</b>	30%	<b>15%</b>
<b>M2</b>	30%	No change
<b>M3</b>	30%	<b>20%</b>
<b>M4</b>	Excluded	<b>30%</b>
<b>M5</b>	10%	<b>5%</b>

- 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>