



U.S. Department  
of Transportation

Federal Motor  
Carrier Safety  
Administration



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

# ITD State Data Quality Evaluation Results

JULY | 2023

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# ITD State Data Quality Evaluation Results

## July 2023

This report presents the results of the July 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 May – July 2023

Good: 2.7 – 3.0	Fair: 2.3 – 2.6	Poor: ≤ 2.2
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STATE	Core Certified	IFTA CVIEW Certified	May Overall Rating	June Overall Rating	July Overall Rating
AK*	Yes	Yes	n/a	n/a	n/a
AL	Yes	Yes	3.0	3.0	3.0
AR	Yes	Yes	2.4	2.4	3.0
AZ	Yes	Yes	2.2	3.0	3.0
CA	Yes	Yes	3.0	3.0	3.0
CO	Yes	Yes	2.7	2.7	2.7
CT	Yes	Yes	3.0	3.0	3.0
DC	No	No	n/a	n/a	n/a
DE	Yes	Yes	3.0	3.0	3.0
FL	Yes	Yes	2.4	2.3	2.4
GA	Yes	Yes	2.6	2.4	2.4
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	2.6	3.0	3.0
ID	Yes	Yes	2.6	2.6	2.4
IL	Yes	Yes	2.9	3.0	3.0
IN	Yes	Yes	3.0	3.0	3.0
KS	Yes	Yes	2.6	2.7	2.7
KY	Yes	Yes	3.0	3.0	3.0
LA	Yes	Yes	2.9	2.9	2.9
MA	Yes	Yes	2.6	2.7	2.6
MD	Yes	Yes	3.0	3.0	3.0
ME	Yes	Yes	3.0	2.9	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	2.9

STATE	Core Certified	IFTA CVIEW Certified	May Overall Rating	June Overall Rating	July Overall Rating
MT	Yes	Yes	3.0	3.0	3.0
NC	Yes	Yes	2.4	2.4	3.0
ND	No	No	n/a	n/a	n/a
NE	Yes	Yes	3.0	3.0	2.9
NH	Yes	Yes	3.0	3.0	3.0
NJ	Yes	Yes	3.0	3.0	3.0
NM	Yes	Yes	2.9	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	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	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	2.7
VA	Yes	Yes	3.0	3.0	3.0
VT	Yes	Yes	3.0	3.0	3.0
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	2.7	2.7	2.7

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

## National Counts of T-19 Overall Rating Ranges May – July 2023

May Overall Rating	IFTA CVIEW Certified	June Overall Rating	IFTA CVIEW Certified	July Overall Rating	IFTA CVIEW Certified
Good	37	Good	41	Good	42
Fair	8	Fair	5	Fair	4
Poor	1	Poor	0	Poor	0
<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:** July 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, 7/1/2023 – 7/31/2023.

### Rating Ranges:

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

## M1 Timeliness: Upload Frequency – T-19 State Ratings May – July 2023

Good: ≥ 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IFTA CVIEW Certified	May Uploads % of Standard	June Uploads % of Standard	July Uploads % of Standard
AK*	Yes	n/a	n/a	n/a
AL	Yes	132	120	130
AR	Yes	114	130	135
AZ	Yes	95	145	140
CA	Yes	136	145	155
CO	Yes	86	80	90
CT	Yes	100	100	100
DC	No	n/a	n/a	n/a
DE	Yes	123	110	155
FL	Yes	100	95	105
GA	Yes	95	85	85
HI	No	n/a	n/a	n/a
IA	Yes	95	105	105
ID	Yes	95	95	90
IL	Yes	95	100	100
IN	Yes	118	140	145
KS	Yes	95	100	85
KY	Yes	141	125	155
LA	Yes	136	145	155
MA	Yes	95	100	100
MD	Yes	114	135	155
ME	Yes	123	95	155
MI	Yes	141	145	155
MN	Yes	105	105	100
MO	Yes	109	135	125
MS	Yes	100	100	95

STATE	IFTA CVIEW Certified	May Uploads % of Standard	June Uploads % of Standard	July Uploads % of Standard
MT	Yes	136	130	150
NC	Yes	136	145	150
ND	No	n/a	n/a	n/a
NE	Yes	100	100	95
NH	Yes	127	105	155
NJ	Yes	136	140	150
NM	Yes	95	100	100
NV	Yes	136	100	155
NY	Yes	105	105	105
OH	Yes	100	100	100
OK	Yes	105	110	105
OR	Yes	109	100	110
PA	No	n/a	n/a	n/a
RI	Yes	141	135	140
SC	Yes	123	135	150
SD	Yes	141	125	155
TN	Yes	141	145	155
TX	Yes	105	105	105
UT	Yes	100	100	90
VA	Yes	141	140	155
VT	Yes	100	100	100
WA	Yes	105	100	110
WI	Yes	105	105	105
WV	Yes	141	145	155
WY	Yes	59	85	85

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

\* AK is CVIEW Certified but exempt from IFTA uploading.

## M2 Completeness: Successful Uploads – T-19

**Standard:** Minimal error rate.

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

**Source:** Error logs, 7/1/2023 – 7/31/2023.

### Rating Ranges:

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

## M2 Completeness: Successful Uploads – T-19 State Ratings May – July 2023

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IFTA CVIEW Certified	May % Successful Uploads	June % Successful Uploads	July % Successful Uploads
AK*	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	100	100
CA	Yes	100	100	100
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	No	n/a	n/a	n/a
DE	Yes	100	100	100
FL	Yes	100	100	100
GA	Yes	100	100	100
HI	No	n/a	n/a	n/a
IA	Yes	99	100	100
ID	Yes	100	100	100
IL	Yes	100	100	100
IN	Yes	100	100	100
KS	Yes	100	100	100
KY	Yes	100	100	100
LA	Yes	100	100	100
MA	Yes	100	100	100
MD	Yes	100	100	100
ME	Yes	100	100	100
MI	Yes	100	100	100
MN	Yes	100	100	100
MO	Yes	100	100	100
MS	Yes	100	100	100
MT	Yes	100	100	100

STATE	IFTA CVIEW Certified	May % Successful Uploads	June % Successful Uploads	July % Successful Uploads
NC	Yes	100	100	100
ND	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.

\* AK is CVIEW Certified but exempt from IFTA uploading.

### M3 Accuracy: Last Update Date Currency – T-19

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

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

**Source:** Error logs, 7/1/2023 – 7/31/2023.

**Rating Ranges:**

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

### M3 Accuracy: Last Update Date Currency – T-19 State Ratings May – July 2023

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%
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STATE	IFTA CVIEW Certified	May % Current	June % Current	July % Current
AK*	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	100	100
CA	Yes	100	100	100
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	No	n/a	n/a	n/a
DE	Yes	100	100	100
FL	Yes	100	100	100
GA	Yes	100	100	100
HI	No	n/a	n/a	n/a
IA	Yes	100	100	100
ID	Yes	100	100	100
IL	Yes	100	100	100
IN	Yes	100	100	100
KS	Yes	100	100	100
KY	Yes	100	100	100
LA	Yes	100	100	100
MA	Yes	100	100	100
MD	Yes	100	100	100
ME	Yes	100	100	100
MI	Yes	100	100	100
MN	Yes	100	100	100
MO	Yes	100	100	100
MS	Yes	100	100	100
MT	Yes	100	100	100

STATE	IFTA CVIEW Certified	May % Current	June % Current	July % Current
NC	Yes	100	100	100
ND	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.

WS = FL uses web service.

\* AK is CVIEW Certified but exempt from IFTA uploading.



## M4 Validity: IFTA Account and Status – T-19

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

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

**Source:** SAFER, 8/3/2023. (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 May – July 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	May % Aligned	June % Aligned	July % Aligned
AK <sup>1</sup>	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	90	91	100
AZ	Yes	75	100	100
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	88	87	87
GA	Yes	96	96	97
HI	No	n/a	n/a	n/a
IA	Yes	100	100	100
ID	Yes	99	99	99
IL	Yes	100	100	100
IN	Yes	100	100	100
KS	Yes	99	99	100
KY	Yes	100	100	100
LA	Yes	100	100	100
MA	Yes	98	98	98
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	May % Aligned	June % Aligned	July % Aligned
MT	Yes	100	100	100
NC <sup>2</sup>	Yes	48	48	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.

State	Aug.	Sep.	Oct.
ID			DUE
IN		DUE	
NM		DUE	
WA	DUE		

## M5 Timeliness: IFTA Baseline Frequency – T-19 State Ratings May – July 2023

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	May Rating	June Rating	July Rating
AK <sup>1</sup>	Yes	n/a	n/a	n/a
AL	Yes	Good	Good	Good
AR	Yes	Good	Good	Good
AZ	Yes	Poor	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	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	Poor	Poor	Poor
MA	Yes	Good	Good	Poor
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	May Rating	June Rating	July 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	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 May – July 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	May Overall Rating	June Overall Rating	July Overall Rating
AK	Yes	Yes	2.7	2.7	2.7
AL	Yes	Yes	3.0	3.0	3.0
AR	Yes	Yes	3.0	3.0	3.0
AZ	Yes	Yes	2.7	3.0	2.4
CA	Yes	Yes	3.0	2.2	3.0
CO	Yes	Yes	3.0	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	3.0	3.0
FL	Yes	Yes	2.4	2.4	2.4
GA	Yes	Yes	2.7	3.0	3.0
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	2.7	2.7	2.7
ID	Yes	Yes	3.0	3.0	3.0
IL	Yes	Yes	2.0	2.3	2.3
IN	Yes	Yes	3.0	2.7	2.7
KS	Yes	Yes	3.0	3.0	3.0
KY	Yes	Yes	3.0	3.0	3.0
LA	Yes	Yes	2.7	2.7	3.0
MA	Yes	Yes	3.0	3.0	2.7
MD	Yes	Yes	2.4	3.0	3.0
ME	Yes	Yes	2.7	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	2.4
MS	Yes	Yes	3.0	3.0	3.0

STATE	Core Certified	IRP CVIEW Certified	May Overall Rating	June Overall Rating	July Overall Rating
MT	Yes	Yes	3.0	3.0	3.0
NC	Yes	Yes	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	2.7	3.0	3.0
NJ	Yes	Yes	2.7	2.7	2.7
NM	Yes	Yes	2.7	2.4	2.4
NV	Yes	Yes	2.4	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	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	2.7	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	2.7
VA	Yes	Yes	2.7	2.7	2.7
VT	Yes	Yes	3.0	3.0	2.4
WA	Yes	Yes	3.0	3.0	2.7
WI	Yes	Yes	2.1	3.0	3.0
WV	Yes	Yes	3.0	2.9	2.4
WY	Yes	Yes	2.9	3.0	3.0

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

### National Counts of T-22 Overall Rating Ranges May – July 2023

May Overall Ratings	IRP CVIEW Certified	June Overall Ratings	IRP CVIEW Certified	July Overall Ratings	IRP CVIEW Certified
Good	43	Good	44	Good	41
Fair	4	Fair	4	Fair	8
Poor	2	Poor	1	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 = 18:** July had 21 weekdays, 1 Federal holiday, and 2 IDR down days down day.

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

**Source:** Daily Reports, 7/1/2023 – 7/31/2023.

### Rating Ranges:

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

## M1 Timeliness: Upload Frequency – T-22 State Ratings May – July 2023

Good: ≥ 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IRP CVIEW Certified	May Uploads % of Stnd.	June Uploads % of Stnd.	July Uploads % of Stnd.
AK	Yes	132	130	172
AL	Yes	136	135	172
AR	Yes	127	140	172
AZ	Yes	136	130	122
CA	Yes	136	145	167
CO	Yes	114	120	128
CT	Yes	123	120	139
DC	Yes	n/a	n/a	n/a
DE	Yes	114	120	144
FL	Yes	136	145	172
GA	Yes	132	130	172
HI	No	n/a	n/a	n/a
IA	Yes	123	140	156
ID	Yes	118	110	144
IL	Yes	132	125	150
IN	Yes	136	145	172
KS	Yes	123	135	161
KY	Yes	136	125	172
LA	Yes	100	110	133
MA	Yes	114	120	128
MD	Yes	123	130	161
ME	Yes	118	125	139
MI	Yes	132	145	161
MN	Yes	123	125	150
MO	Yes	132	140	161
MS	Yes	123	130	139

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

STATE	IRP CVIEW Certified	May Uploads % of Stnd.	June Uploads % of Stnd.	July Uploads % of Stnd.
MT	Yes	109	105	139
NC	Yes	136	135	167
ND	Yes	123	140	161
NE	Yes	132	145	172
NH	Yes	114	115	150
NJ	Yes	132	145	172
NM	Yes	100	110	122
NV	Yes	132	130	156
NY	Yes	127	145	161
OH	Yes	136	145	172
OK	Yes	109	140	161
OR	Yes	132	130	172
PA	Yes	123	140	172
RI	Yes	127	130	161
SC	Yes	123	135	161
SD	Yes	136	130	172
TN	Yes	132	120	156
TX	Yes	136	145	167
UT	Yes	114	140	150
VA	Yes	136	145	172
VT	Yes	109	110	100
WA	Yes	123	125	133
WI	Yes	86	105	122
WV	Yes	100	95	117
WY	Yes	95	100	122

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

## M2 Completeness: Successful Uploads – T-22

**Standard:** Minimal error rate.

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

**Source:** Error logs, 7/1/2023 – 7/31/2023.

### Rating Ranges:

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

## M2 Completeness: Successful Uploads – T-22 State Ratings May – July 2023

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IRP CVIEW Certified	May % Successful Uploads	June % Successful Uploads	July % Successful Uploads
AK	Yes	100	100	100
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	100	90
CA	Yes	100	99	100
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	Yes	100	100	100
DE	Yes	100	100	100
FL	Yes	100	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	99	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	99	100	100
MI	Yes	100	100	100
MN	Yes	100	100	100
MO	Yes	100	100	100
MS	Yes	100	100	100

STATE	IRP CVIEW Certified	May % Successful Uploads	June % Successful Uploads	July % Successful Uploads
MT	Yes	100	100	100
NC	Yes	100	100	100
ND	Yes	100	100	100
NE	Yes	100	100	100
NH	Yes	99	100	100
NJ	Yes	100	100	100
NM	Yes	100	99	99
NV	Yes	97	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	95	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	95
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, 7/1/2023 – 7/31/2023.

**Rating Ranges:**

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

### M3 Accuracy: Last Update Date Currency – T-22 State Ratings May – July 2023

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%
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State	IRP CVIEW Certified	May % Current	June % Current	July % Current
AK	Yes	100	100	100
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	100	100
CA	Yes	100	99	100
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	Yes	100	100	100
DE	Yes	100	100	100
FL	Yes	100	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	May % Current	June % Current	July % 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, 8/3/2023. (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 May – July 2023

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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State	IRP CVIEW Certified	May % Aligned	June % Aligned	July % Aligned
AK	Yes	99	99	99
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	96	100	100
CA	Yes	100	99	100
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	Yes	100	100	100
DE	Yes	99	100	100
FL	Yes	65	64	64
GA	Yes	99	100	100
HI	No	n/a	n/a	n/a
IA	Yes	99	99	99
ID	Yes	100	100	100
IL	Yes	84	85	85
IN	Yes	100	99	99
KS <sup>1</sup>	Yes	100	100	100
KY	Yes	100	100	100
LA	Yes	97	95	100
MA	Yes	100	100	99
MD	Yes	92	100	100
ME	Yes	100	100	100
MI	Yes	100	100	100
MN	Yes	100	100	100
MO	Yes	100	100	92
MS	Yes	100	100	100

State	IRP CVIEW Certified	May % Aligned	June % Aligned	July % Aligned
MT	Yes	100	100	100
NC	Yes	100	100	100
ND	Yes	72	72	68
NE	Yes	100	100	100
NH	Yes	100	100	100
NJ	Yes	97	96	95
NM	Yes	99	99	99
NV	Yes	99	100	100
NY	Yes	100	100	100
OH	Yes	100	100	100
OK <sup>2</sup>	Yes	100	100	99
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	99	99	97
VA	Yes	96	96	96
VT	Yes	100	100	94
WA	Yes	100	100	100
WI	Yes	77	100	100
WV	Yes	100	100	88
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	Aug.	Sep.	Oct.
CT	DUE		
NM		DUE	
WA	DUE		

## M5 Timeliness: IRP Baseline Frequency – T-22 State Ratings May – July 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	May Rating	June Rating	July 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	Poor	Poor	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	Good	Good	Good
MN	Yes	Good	Good	Good
MO	Yes	Good	Good	Good
MS	Yes	Good	Good	Good
MT	Yes	Good	Good	Good

State	IRP CVIEW Certified	May Rating	June Rating	July Rating
NC	Yes	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	Good	Good	Good
WA	Yes	Good	Good	Good
WI	Yes	Good	Good	Good
WV	Yes	Good	Good	Good
WY	Yes	Good	Good	Good

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

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

## Additional Information

### SAFER Processing Report

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

July Event	Count / Month
<b>Baselining States</b>	<b>7</b>
<b>IFTA Only: NC</b>	<b>1</b>
<b>IRP Only: CA, DC, LA, RI</b>	<b>4</b>
<b>IFTA and IRP: AL, AR</b>	<b>2</b>
<b>Known Day(s) with Delays in CVIEW Production</b>	<b>0</b>
<b>Known Day(s) with Delays in IDR Production</b>	<b>2</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 8/24/2023:

- December 2022: 12 States with reported issues. 5/349 pending.
- February 2023: 7 States with reported issues. 1/35 pending.
- June 2023: 6 States with reported issues. 1/14 pending.
- July 2023: 5 states with reported issues. 2/7 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 May – July 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	May Status	June Status	July 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	n/a	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	n/a	Good
ID	Yes	n/a	n/a	Good
IL	Yes	Good	Poor	Poor
IN	Yes	n/a	n/a	n/a
KS	Yes	n/a	n/a	n/a
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	n/a	n/a
MN	No	n/a	n/a	n/a
MO	Yes	Good	n/a	Good
MS	Yes	n/a	n/a	n/a

State	Core Certified	May Status	June Status	July Status
MT	Yes	Good	n/a	n/a
NC	Yes	n/a	Good	Good
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	Good	n/a
OK	Yes	n/a	n/a	n/a
OR	Yes	Poor	Good	n/a
PA	No	n/a	n/a	n/a
RI	Yes	n/a	n/a	n/a
SC	Yes	Poor	Poor	Poor
SD	Yes	n/a	n/a	n/a
TN	Yes	n/a	Fair	Good
TX	Yes	n/a	n/a	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	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 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
<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>