



U.S. Department
of Transportation

Federal Motor
Carrier Safety
Administration



ITD **INNOVATIVE TECHNOLOGY
DEPLOYMENT**

ITD State Data Quality Evaluation Results

NOVEMBER | 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 September – November 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 September – November 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

November 2023

This report presents the results of the November 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 ACCB¹ DQ Working Group, to identify and resolve DQ issues. The ITD Support team developed DQ measures, standards, and evaluation methodologies, which were reviewed and accepted by the ACCB. Since June 2015, the ITD Support team has analyzed and reported monthly DQ results to the ITD community. Monthly reports provide DQ ratings generated by:

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

Purpose and Evolution of the ITD DQ Measures

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

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



¹ ACCB – ITD Architecture Change Control Board.

² IFTA – International Fuel Tax Association.

³ IRP – International Registration Plan.

Overview of DQ Measures – T-19 (IFTA)

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

Individual Measures – T-19

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

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

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

Overall Rating – T-19

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

T-19 Overall Rating Calculation – Effective August 2022

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

Overall Ratings – T-19 (IFTA)

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

State T-19 (IFTA) Overall Ratings September – November 2023

Good: 2.7 – 3.0	Fair: 2.3 – 2.6	Poor: ≤ 2.2
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STATE	Core Certified	IFTA CVIEW Certified	Sept. Overall Rating	Oct. Overall Rating	Nov. 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	1.8	2.0	2.4
CA	Yes	Yes	3.0	2.7	3.0
CO	Yes	Yes	2.7	2.7	2.7
CT	Yes	Yes	2.1	2.7	2.9
DC	No	No	n/a	n/a	n/a
DE	Yes	Yes	3.0	3.0	3.0
FL	Yes	Yes	2.4	2.1	2.4
GA	Yes	Yes	2.4	2.4	2.6
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	2.7	2.9	3.0
ID	Yes	Yes	2.7	2.6	2.6
IL	Yes	Yes	2.9	2.7	2.9
IN	Yes	Yes	2.9	2.9	2.6
KS	Yes	Yes	2.7	3.0	2.7
KY	Yes	Yes	3.0	3.0	3.0
LA	Yes	Yes	2.9	2.9	3.0
MA	Yes	Yes	3.0	2.9	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	2.7	3.0	2.9

STATE	Core Certified	IFTA CVIEW Certified	Sept. Overall Rating	Oct. Overall Rating	Nov. Overall Rating
MT	Yes	Yes	3.0	3.0	3.0
NC	Yes	Yes	3.0	2.7	3.0
ND	No	No	n/a	n/a	n/a
NE	Yes	Yes	3.0	2.9	3.0
NH	Yes	Yes	3.0	3.0	3.0
NJ	Yes	Yes	3.0	3.0	2.5
NM	Yes	Yes	2.9	2.6	2.8
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	2.7	3.0
SC	Yes	Yes	3.0	3.0	2.7
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	2.9	3.0
VA	Yes	Yes	3.0	3.0	3.0
VT	Yes	Yes	3.0	3.0	2.1
WA	Yes	Yes	2.9	3.0	3.0
WI	Yes	Yes	2.0	2.3	3.0
WV	Yes	Yes	3.0	3.0	3.0
WY	Yes	Yes	2.7	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 September – November 2023

Sept. Overall Rating	IFTA CVIEW Certified	Oct. Overall Rating	IFTA CVIEW Certified	Nov. Overall Rating	IFTA CVIEW Certified
Good	41	Good	40	Good	39
Fair	2	Fair	4	Fair	6
Poor	3	Poor	2	Poor	1
Total	46	Total	46	Total	46

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: November had 22 weekdays, 2 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, 11/1/2023 – 11/30/2023.

Rating Ranges:

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

M1 Timeliness: Upload Frequency – T-19 State Ratings September – November 2023

Good: ≥ 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IFTA CVIEW Certified	Sept. Uploads % of Standard	Oct. Uploads % of Standard	Nov. Uploads % of Standard
AK*	Yes	n/a	n/a	n/a
AL	Yes	125	129	150
AR	Yes	120	138	130
AZ	Yes	75	95	105
CA	Yes	145	43	105
CO	Yes	90	86	90
CT	Yes	25	90	95
DC	No	n/a	n/a	n/a
DE	Yes	135	148	135
FL	Yes	100	86	110
GA	Yes	90	90	95
HI	No	n/a	n/a	n/a
IA	Yes	80	95	115
ID	Yes	90	86	90
IL	Yes	95	90	95
IN	Yes	135	148	40
KS	Yes	85	100	90
KY	Yes	150	148	130
LA	Yes	150	138	135
MA	Yes	100	95	105
MD	Yes	150	148	140
ME	Yes	110	143	115
MI	Yes	120	148	145
MN	Yes	105	100	100
MO	Yes	140	124	140
MS	Yes	90	100	95

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

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, 11/1/2023 – 11/30/2023.

Rating Ranges:

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

M2 Completeness: Successful Uploads – T-19 State Ratings September – November 2023

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IFTA CVIEW Certified	Sept. % Successful Uploads	Oct. % Successful Uploads	Nov. % Successful Uploads
AK*	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	99	99	100
CA	Yes	100	100	100
CO	Yes	100	100	100
CT	Yes	25	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	Sept. % Successful Uploads	Oct. % Successful Uploads	Nov. % 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	98
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	99	100
SC	Yes	100	100	99
SD	Yes	100	100	100
TN	Yes	100	100	100
TX	Yes	100	100	100
UT	Yes	100	100	100
VA	Yes	100	100	100
VT	Yes	100	100	10
WA	Yes	100	100	100
WI	Yes	92	97	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, 11/1/2023 – 11/30/2023.

Rating Ranges:

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

M3 Accuracy: Last Update Date Currency – T-19 State Ratings September – November 2023

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%
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STATE	IFTA CVIEW Certified	Sept. % Current	Oct. % Current	Nov. % 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	Sept. % Current	Oct. % Current	Nov. % 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	98
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	92	97	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, 12/5/2023. (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 September – November 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	Sept. % Aligned	Oct. % Aligned	Nov. % Aligned
AK ¹	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	90	48	52
CA ²	Yes	100	100	100
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	No	n/a	n/a	n/a
DE	Yes	100	100	100
FL	Yes	86	87	88
GA	Yes	97	98	98
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	IFTA CVIEW Certified	Sept. % Aligned	Oct. % Aligned	Nov. % Aligned
MT	Yes	100	100	100
NC ²	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.

¹ AK is CVIEW Certified but exempt from IFTA uploading.

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

M5 Timeliness: IFTA Baseline Frequency – T-19

Standard: Annual IFTA baseline (minimum).

Source: ITD Support records.

Rating Ranges:

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

State	Dec-23	Jan-24	Feb-24
CA			DUE
CO			DUE
GA	DUE		
MS			DUE
NE			DUE
NJ		DUE	
OR			DUE
UT			DUE
WV		DUE	

M5 Timeliness: IFTA Baseline Frequency – T-19 State Ratings September – November 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	Sept. Rating	Oct. Rating	Nov. Rating
AK ¹	Yes	n/a	n/a	n/a
AL	Yes	Good	Good	Good
AR	Yes	Good	Good	Good
AZ	Yes	Good	Good	Good
CA ²	Yes	Good	Good	Good
CO	Yes	Good	Good	Good
CT	Yes	Good	Good	Good
DC	No	n/a	n/a	n/a
DE	Yes	Good	Good	Good
FL ²	Yes	Good	Good	Good
GA	Yes	Good	Good	Good
HI	No	n/a	n/a	n/a
IA	Yes	Good	Good	Good
ID	Yes	Good	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	Poor	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	Sept. Rating	Oct. Rating	Nov. Rating
MT	Yes	Good	Good	Good
NC ²	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	Poor
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	Poor	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.

¹ AK is CVIEW Certified but exempt from IFTA uploading.

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

Overall Measure – T-22

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

T-22 Overall Rating Calculation – Effective August 2022

Individual T-22 Rating Values	Measure Weights	Overall Rating Calculation	Overall Rating Ranges
Good = 3 Fair = 2 Poor = 1	M1: Timely Uploads = 15% M2: Completeness = 30% M3: Accuracy = 20% M4: Validity = 30% M5: Timely Baselines = 5%	(M1 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 September – November 2023

Good: 2.7 – 3.0	Fair: 2.3 – 2.6	Poor: ≤ 2.2
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STATE	Core Certified	IRP CVIEW Certified	Sept. Overall Rating	Oct. Overall Rating	Nov. Overall Rating
AK	Yes	Yes	2.7	2.7	2.7
AL	Yes	Yes	3.0	3.0	3.0
AR	Yes	Yes	3.0	3.0	3.0
AZ	Yes	Yes	2.7	2.7	2.7
CA	Yes	Yes	2.7	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	3.0	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	2.7	3.0
ID	Yes	Yes	3.0	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	2.7	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	Sept. Overall Rating	Oct. Overall Rating	Nov. Overall Rating
MT	Yes	Yes	3.0	2.7	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	2.3	1.7	2.3
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	2.7	3.0
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	2.7
VA	Yes	Yes	3.0	2.7	2.7
VT	Yes	Yes	2.4	2.4	2.6
WA	Yes	Yes	2.9	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 September – November 2023

Sept. Overall Ratings	IRP CVIEW Certified	Oct. Overall Ratings	IRP CVIEW Certified	Nov. Overall Ratings	IRP CVIEW Certified
Good	44	Good	42	Good	43
Fair	5	Fair	5	Fair	6
Poor	0	Poor	2	Poor	0
Total	49	Total	49	Total	49

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

Individual Ratings by State – T-22 (IRP)

M1 Timeliness: Upload Frequency – T-22

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

- **Frequency Standard = 20:** November had 22 weekdays, 2 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, 11/1/2023 – 11/30/2023.

Rating Ranges:

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

M1 Timeliness: Upload Frequency – T-22 State Ratings September – November 2023

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

Note: Some States upload on weekends/holidays.

STATE	IRP CVIEW Certified	Sept. Uploads % of Stnd.	Oct. Uploads % of Stnd.	Nov. Uploads % of Stnd.
MT	Yes	120	114	115
NC	Yes	145	148	145
ND	Yes	130	148	140
NE	Yes	145	138	145
NH	Yes	125	138	125
NJ	Yes	140	148	150
NM	Yes	100	90	110
NV	Yes	135	143	145
NY	Yes	145	148	150
OH	Yes	145	148	145
OK	Yes	140	133	150
OR	Yes	145	148	150
PA	Yes	140	138	130
RI	Yes	130	148	145
SC	Yes	135	133	135
SD	Yes	145	148	145
TN	Yes	130	124	135
TX	Yes	145	148	150
UT	Yes	135	138	135
VA	Yes	145	148	145
VT	Yes	115	110	95
WA	Yes	130	124	125
WI	Yes	115	110	115
WV	Yes	110	119	105
WY	Yes	110	119	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, 11/1/2023 – 11/30/2023.

Rating Ranges:

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

M2 Completeness: Successful Uploads – T-22 State Ratings September – November 2023

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%
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STATE	IRP CVIEW Certified	Sept. % Successful Uploads	Oct. % Successful Uploads	Nov. % Successful Uploads
AK	Yes	100	100	100
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	100	100
CA	Yes	100	99	100
CO	Yes	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	Sept. % Successful Uploads	Oct. % Successful Uploads	Nov. % 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	77	99
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, 11/1/2023 – 11/30/2023.

Rating Ranges:

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

M3 Accuracy: Last Update Date Currency – T-22 State Ratings September – November 2023

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%
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State	IRP CVIEW Certified	Sept. % Current	Oct. % Current	Nov. % 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	Sept. % Current	Oct. % Current	Nov. % 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, 12/5/2023. (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 September – November 2023

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

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

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

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

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

M5 Timeliness: IRP Baseline Frequency – T-22

Standard: Annual IRP baseline (minimum).

Source: ITD Support records.

Rating Ranges:

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

State	Dec-23	Jan-24	Feb-24
ND		DUE	
NY			DUE
UT			DUE

M5 Timeliness: IRP Baseline Frequency – T-22 State Ratings September – November

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	Sept. Rating	Oct. Rating	Nov. 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	Sept. Rating	Oct. Rating	Nov. 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	Poor
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	Poor	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.

November	Count / Month
Baselining States	9
IFTA Only: LA, TX	2
IRP Only: CA, ID, KS, OK, WI	5
IFTA and IRP: IA, SC	2
Known Day(s) with Delays in CVIEW Production	0
Known Day(s) with Delays in IDR Production	0

Indicator of Responsiveness to Reported Data Quality Issues

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

Counts of Reported and Resolved DQ Issues

As of 12/13/2023:

- December 2022: 12 States with reported issues. 5/349 pending.
- October 2023: 9 States with reported issues. 5/30 pending.
- November 2023: 13 States with reported issues. 4/50 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 September – November 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	Sept. Status	October Status	Nov. 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	Good
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	Fair
FL	Yes	n/a	n/a	n/a
GA	Yes	n/a	n/a	Good
HI	No	n/a	n/a	n/a
IA	Yes	n/a	Good	n/a
ID	Yes	n/a	Good	Good
IL	Yes	Poor	Good	n/a
IN	Yes	n/a	Good	n/a
KS	Yes	n/a	n/a	Fair
KY	Yes	Good	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	Good
MN	No	n/a	n/a	n/a
MO	Yes	n/a	Good	n/a
MS	Yes	n/a	n/a	n/a

State	Core Certified	Sept. Status	October Status	Nov. Status
MT	Yes	n/a	n/a	n/a
NC	Yes	n/a	Good	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	Fair	Poor
NV	Yes	n/a	Good	Good
NY	Yes	n/a	n/a	n/a
OH	Yes	n/a	n/a	n/a
OK	Yes	n/a	n/a	Fair
OR	Yes	Good	Good	Good
PA	No	n/a	n/a	Fair
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	Good	Fair	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	Fair	Poor
WI	Yes	Good	n/a	n/a
WV	Yes	n/a	n/a	n/a
WY	Yes	n/a	n/a	n/a

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

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



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

Adjusted Calculation of T-22 Overall Rating – April 2020

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

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

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

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

Adjusted Calculation of T-19 Overall Rating – September 2021

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

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

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

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

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

Adjustments to Overall Rating Ranges – August 2022

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