U.S. Department of Transportation

Federal Motor Carrier Safety Administration

ITD — INNOVATIVE TECHNOLOGY DEPLOYMENT

ITD State Data Quality Evaluation Results

AUGUST | 2024

Contents

ITD State Data Quality Evaluation Results
August 2024

This report presents the results of the August 2024 State Data Quality (DQ) evaluation. It also provides background on the purpose, development, and methodology of the State DQ Measures.

ITD DQ Initiative

Data quality is a top priority of the Federal Motor Carrier Safety Administration (FMCSA) and the Innovative Technology Deployment (ITD) Program. The ITD DQ Improvement Initiative was developed by the ITD Support team at the Volpe National Transportation Systems Center (Volpe), in coordination with an ACCB[1] 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[2] and IRP[3] 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.

2015 Implemented measures for IFTA & IRP data	→	2019 Achieved significant improvement	→	2020 Raised the bar for IRP data	→	2021 Raised the bar for IFTA data	→	2022 Raised the bar for IFTA & IRP data

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[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, IFTA exp. 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 June – August 2024

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

STATE	Core Certified	IFTA CVIEW Certified	June Overall Rating	July Overall Rating	August Overall Rating
AK*	Yes	Yes	n/a	n/a	n/a
AL	Yes	Yes	3.0	2.9	2.9
AR	Yes	Yes	3.0	2.9	3.0
AZ	Yes	Yes	2.4	2.4	2.4
CA	Yes	Yes	3.0	3.0	3.0
CO	Yes	Yes	3.0	2.7	2.7
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	2.1	2.3	3.0
GA	Yes	Yes	2.7	2.7	2.7
HI	No	No	n/a	n/a	n/a
IA	Yes	Yes	3.0	3.0	3.0
ID	Yes	Yes	3.0	2.9	3.0
IL	Yes	Yes	3.0	2.9	2.9
IN	Yes	Yes	3.0	3.0	3.0
KS	Yes	Yes	2.7	2.7	2.7
KY	Yes	Yes	3.0	3.0	3.0
LA	Yes	Yes	3.0	3.0	1.9
MA	Yes	Yes	2.7	2.6	2.9
MD	Yes	Yes	3.0	3.0	3.0
ME	Yes	Yes	2.6	3.0	3.0
MI	Yes	Yes	3.0	3.0	3.0
MN	No	Yes	3.0	3.0	2.9
MO	Yes	Yes	3.0	3.0	3.0
MS	Yes	Yes	3.0	2.7	3.0

STATE	Core Certified	IFTA CVIEW Certified	June Overall Rating	July Overall Rating	August Overall Rating
MT	Yes	Yes	3.0	3.0	3.0
NC	Yes	Yes	3.0	3.0	3.0
ND	Yes	Yes	2.7	2.4	2.1
NE	Yes	Yes	2.9	3.0	3.0
NH	Yes	Yes	3.0	3.0	3.0
NJ	Yes	Yes	3.0	3.0	3.0
NM	Yes	Yes	2.7	2.7	2.2
NV	Yes	Yes	3.0	3.0	3.0
NY	Yes	Yes	2.9	2.9	2.8
OH	Yes	Yes	3.0	3.0	3.0
OK	Yes	Yes	3.0	3.0	3.0
OR	Yes	Yes	2.7	3.0	2.7
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	2.9	2.7	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	2.7	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

*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 June – August 2024

June Overall Rating	IFTA CVIEW Certified	July Overall Rating	IFTA CVIEW Certified	August Overall Rating	IFTA CVIEW Certified
Good	44	Good	43	Good	43
Fair	2	Fair	3	Fair	1
Poor	1	Poor	1	Poor	3
Total	47	Total	47	Total	47

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 = 22: August had 22 weekdays, no Federal holidays, and no SAFER down days.
Methodology: Compare the number of uploads to the frequency standard; calculate the percentage of the frequency standard achieved by the State.
Source: Daily Reports, 8/1/2024 – 8/31/2024.

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

M1 Timeliness: Upload Frequency – T-19 State Ratings June – August 2024

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

STATE	IFTA CVIEW Certified	June Uploads % of Standard	July Uploads % of Standard	August Uploads % of Standard
AK*	Yes	n/a	n/a	n/a
AL	Yes	158	141	127
AR	Yes	158	141	132
AZ	Yes	100	114	100
CA	Yes	158	141	132
CO	Yes	100	86	64
CT	Yes	95	95	73
DC	No	n/a	n/a	n/a
DE	Yes	132	141	109
FL	Yes	68	95	105
GA	Yes	89	14	64
HI	No	n/a	n/a	n/a
IA	Yes	158	141	132
ID	Yes	105	95	100
IL	Yes	105	95	95
IN	Yes	142	136	132
KS	Yes	84	73	82
KY	Yes	153	141	141
LA	Yes	105	100	95
MA	Yes	105	95	95
MD	Yes	147	141	132
ME	Yes	105	109	118
MI	Yes	142	141	136
MN	Yes	100	100	95
MO	Yes	137	118	109
MS	Yes	105	86	100

STATE	IFTA CVIEW Certified	June Uploads % of Standard	July Uploads % of Standard	August Uploads % of Standard
MT	Yes	158	141	136
NC	Yes	158	132	132
ND	Yes	116	91	105
NE	Yes	95	105	100
NH	Yes	132	141	118
NJ	Yes	142	141	127
NM	Yes	84	77	82
NV	Yes	132	141	127
NY	Yes	105	100	95
OH	Yes	100	100	100
OK	Yes	105	105	100
OR	Yes	121	100	105
PA	No	n/a	n/a	n/a
RI	Yes	158	141	132
SC	Yes	126	123	100
SD	Yes	142	141	136
TN	Yes	158	141	132
TX	Yes	105	105	100
UT	Yes	95	91	73
VA	Yes	153	123	132
VT	Yes	137	136	132
WA	Yes	100	86	105
WI	Yes	105	100	100
WV	Yes	147	132	132
WY	Yes	158	141	132

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, 8/1/2024 – 8/312024.

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

M2 Completeness: Successful Uploads – T-19 State Ratings June – August 2024

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%

STATE	IFTA CVIEW Certified	June % Successful Uploads	July % Successful Uploads	August % 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	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	86
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	June % Successful Uploads	July % Successful Uploads	August % Successful Uploads
NC	Yes	100	100	100
ND	Yes	100	100	92
NE	Yes	100	100	100
NH	Yes	100	100	100
NJ	Yes	100	100	100
NM	Yes	100	100	99
NV	Yes	100	100	100
NY	Yes	100	100	100
OH	Yes	100	100	100
OK	Yes	100	100	100
OR	Yes	99	100	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, 8/1/2024 – 8/31/2024.

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

M3 Accuracy: Last Update Date Currency – T-19 State Ratings June – August 2024

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%

STATE	IFTA CVIEW Certified	June % Current	July % Current	August % 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	86
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	June % Current	July % Current	August % Current
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	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	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, 9/5/2024. (Query of carrier IFTA status code, account number, and expiration date.)

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

M4 Validity: IFTA Account and Status – T-19 State Ratings June – August 2024

Note: As of the **April 2018** evaluation, the T-19 M4 measure allows for a 60-day grace period, which is the IFTA standard; previously, this measure allowed for a 30-day grace period.

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%

STATE	IFTA CVIEW Certified	June % Aligned	July % Aligned	Aug. % Aligned
AK[1]	Yes	n/a	n/a	n/a
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	83	84	84
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	87	88	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	99	99	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	IFTA CVIEW Certified	June % Aligned	July % Aligned	Aug. % Aligned
MT	Yes	100	100	100
NC[2]	Yes	100	100	100
ND	Yes	99	99	99
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	Sep-24	Oct-24	Nov-24
AZ	DUE		
WA		DUE	

M5 Timeliness: IFTA Baseline Frequency – T-19 State Ratings June – August

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

State	IFTA CVIEW Certified	June Rating	July Rating	August Rating
AK[1]	Yes	n/a	n/a	n/a
AL	Yes	Good	Poor	Poor
AR	Yes	Good	Poor	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	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	Poor	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	June Rating	July Rating	August Rating
MT	Yes	Good	Good	Good
NC[2]	Yes	Good	Good	Good
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	Poor	Poor	Poor
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.
[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 June – August 2024

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

STATE	Core Certified	IRP CVIEW Certified	June Overall Rating	July Overall Rating	August Overall Rating
AK	Yes	Yes	2.7	2.7	2.7
AL	Yes	Yes	3.0	2.9	2.9
AR	Yes	Yes	3.0	3.0	3.0
AZ	Yes	Yes	2.7	2.4	2.3
CA	Yes	Yes	2.2	3.0	2.7
CO	Yes	Yes	2.7	2.7	2.6
CT	Yes	Yes	3.0	3.0	3.0
DC	No	Yes	n/a	n/a	n/a
DE	Yes	Yes	2.4	2.4	3.0
FL‡	Yes	Yes	1.4	1.9	2.4
GA	Yes	Yes	2.7	3.0	3.0
HI	No	No	n/a	n/a	n/a
IA†‡	Yes	Yes	2.3	2.5	3.0
ID	Yes	Yes	3.0	3.0	3.0
IL	Yes	Yes	2.4	2.4	3.0
IN	Yes	Yes	3.0	3.0	2.9
KS	Yes	Yes	3.0	3.0	3.0
KY	Yes	Yes	3.0	3.0	3.0
LA	Yes	Yes	3.0	2.9	3.0
MA	Yes	Yes	3.0	2.7	2.7
MD	Yes	Yes	1.6	3.0	3.0
ME	Yes	Yes	2.9	2.9	2.7
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	2.3
MS	Yes	Yes	3.0	3.0	2.9
MT	Yes	Yes	3.0	3.0	2.3
NC	Yes	Yes	3.0	3.0	3.0
ND‡	Yes	Yes	2.7	2.2	2.7
NE	Yes	Yes	3.0	3.0	3.0
NH	Yes	Yes	3.0	3.0	3.0
NJ	Yes	Yes	2.7	2.7	2.7
NM	Yes	Yes	2.7	3.0	3.0
NV	Yes	Yes	3.0	3.0	3.0
NY	Yes	Yes	3.0	3.0	3.0
OH	Yes	Yes	3.0	3.0	3.0
OK	Yes	Yes	2.4	2.4	3.0
OR	Yes	Yes	3.0	3.0	3.0
PA	No	Yes	3.0	3.0	3.0
RI	Yes	Yes	3.0	3.0	3.0
SC	Yes	Yes	2.7	2.4	2.4
SD	Yes	Yes	3.0	3.0	3.0
TN	Yes	Yes	3.0	3.0	3.0
TX	Yes	Yes	3.0	3.0	3.0
UT	Yes	Yes	3.0	3.0	3.0
VA‡*	Yes	Yes	2.7	2.2	2.0
VT	Yes	Yes	3.0	2.7	3.0
WA	Yes	Yes	2.7	3.0	3.0
WI	Yes	Yes	3.0	2.7	3.0
WV	Yes	Yes	3.0	2.4	2.7
WY	Yes	Yes	3.0	3.0	3.0

† June T-22 Overall ratings were negatively impacted by IDR business rules, which affected the M2 and M3 ratings.
‡ July T-22 Overall ratings were negatively impacted by IDR business rules, which affected the M2 and M3 ratings.

* August T-22 Overall ratings were negatively impacted by IDR business rules, which affected the M2 and M3 ratings.
n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.

National Counts of T-22 Overall Rating Ranges June – August 2024

June Overall Ratings	IRP CVIEW Certified	July Overall Ratings	IRP CVIEW Certified	August Overall Ratings	IRP CVIEW Certified
Good	42	Good	39	Good	42
Fair	4	Fair	7	Fair	6
Poor	3	Poor	3	Poor	1
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 = 22: August had 22 weekdays, no Federal holidays, and no SAFER down days.

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

Source: Daily Reports, 8/1/2024 – 8/31/2024.

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

M1 Timeliness: Upload Frequency – T-22 State Ratings June – August 2024

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

STATE	IRP CVIEW Certified	June Uploads % of Stnd.	July Uploads % of Stnd.	August Uploads % of Stnd.
AK	Yes	158	141	141
AL	Yes	158	141	141
AR	Yes	158	141	141
AZ	Yes	158	136	127
CA	Yes	158	132	141
CO	Yes	126	105	95
CT	Yes	142	114	118
DC	Yes	n/a	n/a	n/a
DE	Yes	142	123	100
FL	Yes	158	141	141
GA	Yes	158	141	141
HI	No	n/a	n/a	n/a
IA	Yes	153	141	132
ID	Yes	137	114	141
IL	Yes	147	127	114
IN	Yes	158	136	136
KS	Yes	147	136	132
KY	Yes	158	141	141
LA	Yes	121	95	118
MA	Yes	121	123	123
MD	Yes	116	118	118
ME	Yes	142	95	141
MI	Yes	158	141	141
MN	Yes	132	132	123
MO	Yes	147	132	141
MS	Yes	137	123	123

STATE	IRP CVIEW Certified	June Uploads % of Stnd.	July Uploads % of Stnd.	August Uploads % of Stnd.
MT	Yes	132	100	100
NC	Yes	153	141	132
ND	Yes	147	132	132
NE	Yes	158	136	132
NH	Yes	137	127	123
NJ	Yes	158	141	141
NM	Yes	100	100	100
NV	Yes	137	141	132
NY	Yes	158	141	127
OH	Yes	158	141	127
OK	Yes	147	123	123
OR	Yes	158	141	136
PA	Yes	158	141	141
RI	Yes	158	141	141
SC	Yes	142	123	123
SD	Yes	147	141	141
TN	Yes	137	118	127
TX	Yes	158	141	141
UT	Yes	147	127	136
VA	Yes	158	141	141
VT	Yes	142	86	105
WA	Yes	142	132	114
WI	Yes	126	123	114
WV	Yes	116	105	123
WY	Yes	158	136	141

Note: Some States upload on weekends/holidays.

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, 8/1/2024 – 8/31/2024.

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

M2 Completeness: Successful Uploads – T-22 State Ratings June – August 2024

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%

STATE	IRP CVIEW Certified	June % Successful Uploads	July % Successful Uploads	Aug. % Successful Uploads
AK	Yes	100	100	100
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	100	100
CA	Yes	99	100	100
CO	Yes	96	98	98
CT	Yes	100	100	100
DC	Yes	100	100	100
DE	Yes	100	100	100
FL‡	Yes	84	99	100
GA	Yes	100	100	100
HI	No	n/a	n/a	n/a
IA†‡	Yes	95	99	100
ID	Yes	100	100	100
IL	Yes	100	100	100
IN	Yes	100	100	100
KS	Yes	100	100	100
KY	Yes	100	100	100
LA	Yes	100	100	100
MA	Yes	100	100	100
MD	Yes	0	100	100
ME	Yes	100	100	100
MI	Yes	100	100	100
MN	Yes	100	100	100
MO	Yes	100	100	97
MS	Yes	100	100	100

STATE	IRP CVIEW Certified	June % Successful Uploads	July % Successful Uploads	Aug. % Successful Uploads
MT	Yes	100	100	97
NC	Yes	100	100	100
ND‡	Yes	100	99	100
NE	Yes	100	100	100
NH	Yes	100	100	100
NJ	Yes	100	100	100
NM	Yes	97	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	99	96
SD	Yes	100	100	100
TN	Yes	100	100	100
TX	Yes	100	100	100
UT	Yes	100	100	100
VA‡*	Yes	100	99	97
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.

† June T-22 Overall ratings were negatively impacted by IDR business rules.

‡ July T-22 Overall ratings were negatively impacted by IDR business rules.

* August T-22 Overall ratings were negatively impacted by IDR business rules, which affected the M2 and M3 ratings.

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,8/1/2024 – 8/31/2024.

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

M3 Accuracy: Last Update Date Currency – T-22 State Ratings June – August 2024

Good: 100%	Fair: 98 - 99%	Poor: ≤ 97%

State	IRP CVIEW Certified	June % Current	July % Current	Aug. % Current
AK	Yes	100	100	100
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	100	100	100
CA	Yes	99	100	100
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	Yes	100	100	100
DE	Yes	100	100	100
FL[‡]	Yes	88	99	100
GA	Yes	100	100	100
HI	No	n/a	n/a	n/a
IA[†‡]	Yes	95	99	100
ID	Yes	100	100	100
IL	Yes	100	100	100
IN	Yes	100	100	100
KS	Yes	100	100	100
KY	Yes	100	100	100
LA	Yes	100	100	100
MA	Yes	100	100	100
MD	Yes	0	100	100
ME	Yes	100	100	100
MI	Yes	100	100	100
MN	Yes	100	100	100
MO	Yes	100	100	97
MS	Yes	100	100	100

State	IRP CVIEW Certified	June % Current	July % Current	Aug. % Current
MT	Yes	100	100	97
NC	Yes	100	100	100
ND[‡]	Yes	100	99	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	99	97
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.

† June T-22 Overall ratings were negatively impacted by IDR business rules.

‡ July T-22 Overall ratings were negatively impacted by IDR business rules.

* August T-22 Overall ratings were negatively impacted by IDR business rules, which affected the M2 and M3 ratings.

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, 9/5/2024. (Query of process time, Interstate flag, registration status, IRP status.)

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

M4 Validity: Vehicle Registration Status – T-22 State Ratings June – August 2024

Good: 100%	Fair: 95 - 99%	Poor: ≤ 94%

State	IRP CVIEW Certified	June % Aligned	July % Aligned	August % Aligned
AK	Yes	99	99	99
AL	Yes	100	100	100
AR	Yes	100	100	100
AZ	Yes	96	86	86
CA	Yes	99	100	99
CO	Yes	100	100	100
CT	Yes	100	100	100
DC	Yes	100	100	100
DE	Yes	94	92	100
FL	Yes	61	61	94
GA	Yes	98	100	100
HI	No	n/a	n/a	n/a
IA	Yes	100	100	100
ID	Yes	100	100	100
IL	Yes	74	75	100
IN	Yes	100	100	100
KS[1]	Yes	100	100	100
KY	Yes	100	100	100
LA	Yes	100	100	100
MA	Yes	100	99	99
MD	Yes	99	100	100
ME	Yes	100	100	99
MI	Yes	100	100	100
MN	Yes	100	100	100
MO	Yes	100	100	100
MS	Yes	100	100	100

State	IRP CVIEW Certified	June % Aligned	July % Aligned	August % Aligned
MT	Yes	100	100	100
NC	Yes	100	100	100
ND	Yes	98	96	96
NE	Yes	100	100	100
NH	Yes	100	100	100
NJ	Yes	97	96	95
NM	Yes	100	100	100
NV	Yes	100	100	100
NY	Yes	100	100	100
OH	Yes	100	100	100
OK[2]	Yes	94	93	100
OR	Yes	100	100	100
PA	Yes	100	100	100
RI	Yes	100	100	100
SC	Yes	99	99	98
SD	Yes	100	100	100
TN	Yes	100	100	100
TX	Yes	100	100	100
UT	Yes	100	100	100
VA	Yes	99	99	99
VT	Yes	100	100	100
WA	Yes	99	100	100
WI	Yes	100	99	100
WV	Yes	100	86	99
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	Sep-24	Oct-24	Nov-24
TN		DUE	
TX		DUE	
WA		DUE	

M5 Timeliness: IRP Baseline Frequency – T-22 State Ratings
June – August

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

State	IRP CVIEW Certified	June Rating	July Rating	August Rating
AK*	Yes	Good	Good	Good
AL	Yes	Good	Poor	Poor
AR	Yes	Good	Good	Good
AZ	Yes	Good	Good	Poor
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	Poor
KS	Yes	Good	Good	Good
KY	Yes	Good	Good	Good
LA	Yes	Good	Good	Good
MA	Yes	Good	Good	Good
MD	Yes	Poor	Good	Good
ME	Yes	Poor	Good	Good
MI	Yes	Good	Good	Good
MN	Yes	Good	Good	Good
MO	Yes	Good	Good	Good
MS	Yes	Good	Good	Poor
MT	Yes	Good	Good	Good

State	IRP CVIEW Certified	June Rating	July Rating	August Rating
NC	Yes	Good	Good	Good
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	Good	Good	Good
RI	Yes	Good	Good	Good
SC	Yes	Good	Good	Good
SD	Yes	Good	Good	Good
TN	Yes	Good	Good	Good
TX	Yes	Good	Good	Good
UT	Yes	Good	Good	Good
VA	Yes	Good	Good	Good
VT	Yes	Good	Good	Good
WA	Yes	Good	Good	Good
WI	Yes	Good	Good	Good
WV	Yes	Good	Good	Good
WY	Yes	Good	Good	Good

n/a = Not Applicable: Not CVIEW Certified or Insufficient Data.
* State is exempt from baselining so receives credit for purposes of calculating the Overall rating.

Additional Information

SAFER Processing Report

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

August	Count / Month
Baselining States	**10**
IRP Only: CO, IL, MT, OH, OK, WI	6
IFTA Only: AR, MA	2
IFTA and IRP: DE, FL	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 Pending DQ Issues

As of 9/12/2024:
- October 2023: 9 States with reported issues. 2/30 pending.
- February 2024: 9 States with reported issues. 3/124 pending.
- April 2024: 12 States with reported issues. 1/51 pending.
- May 2024: 9 States with reported issues. 4/33 pending.
- June 2024: 11 States with reported issues. 4/29 pending.
- July 2024: 14 States with reported issues. 5/103 pending.
- August 2024: 14 States with reported issues. 7/41 pending.

Note: Starting with December 2022, DQ discrepancies reported by PrePass are included in these counts.

Responsiveness Indicator Criteria

The Responsiveness Indicator is described below in terms of the indicator's standard and methodology, and the status categories of Good, Fair, and Poor. The table that follows lists the status of the current evaluated month along with the previous two months', for reference.

- **Standard:** Resolve reported issue(s) within 30 days.
- **Methodology:** The number of days between a State being notified by Volpe of a DQ issue and resolving that issue is compared to the 30-day standard.

Responsiveness to Reported Data Quality Issues by State
June – August 2024
Status Categories

- Good: Issue(s) reported and resolved within 30 days.
- Fair: Issue(s) reported during the evaluated month.
- Poor: Reported issue(s) are more than one month old.
- n/a: Not Applicable; no issues reported for that State.

Good: All Reported Issue(s) Resolved	Fair: Issue(s) Reported in Evaluated Month	Poor: Issue(s) More Than One Month Old

State	Core Certified	June Status	July Status	August Status
AK	Yes	n/a	n/a	n/a
AL	Yes	n/a	n/a	Good
AR	Yes	Good	n/a	n/a
AZ	Yes	Poor	Poor	Poor
CA	Yes	Good	Fair	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	n/a
FL	Yes	Poor	Poor	Poor
GA	Yes	n/a	n/a	n/a
HI	No	n/a	n/a	n/a
IA	Yes	Good	Good	n/a
ID	Yes	n/a	n/a	Good
IL	Yes	Poor	Poor	Poor
IN	Yes	Good	Fair	Fair
KS	Yes	Fair	Good	n/a
KY	Yes	n/a	Good	n/a
LA	Yes	n/a	n/a	Fair
MA	Yes	n/a	n/a	n/a
MD	Yes	n/a	Good	Good
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	Fair
MS	Yes	n/a	n/a	n/a

State	Core Certified	June Status	July Status	August Status
MT	Yes	n/a	n/a	n/a
NC	Yes	n/a	n/a	n/a
ND	Yes	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	Good	Fair	Fair
NY	Yes	n/a	n/a	n/a
OH	Yes	Fair	Good	Fair
OK	Yes	n/a	Fair	Fair
OR	Yes	Poor	Poor	Poor
PA	No	n/a	n/a	n/a
RI	Yes	n/a	n/a	n/a
SC	Yes	n/a	n/a	n/a
SD	Yes	n/a	n/a	n/a
TN	Yes	n/a	n/a	n/a
TX	Yes	Good	n/a	n/a
UT	Yes	n/a	n/a	n/a
VA	Yes	n/a	Good	Good
VT	Yes	n/a	n/a	n/a
WA	Yes	Poor	Poor	Poor
WI	Yes	n/a	n/a	n/a
WV	Yes	n/a	n/a	n/a
WY	Yes	n/a	n/a	n/a

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

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

2015 Implemented measures for IFTA & IRP data	→	2019 Achieved significant improvement	→	2020 Raised the bar for IRP data	→	2021 Raised the bar for IFTA data	→	2022 Raised the bar for IFTA & IRP data

- **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: ≥ 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
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**