

# Regional Public Transportation Safety Performance Targets



**MPO Policy Committee  
July 14, 2021**



# Public Transportation Safety Requirements

- On July 19, 2018, the Federal Transit Administration (FTA) published the Public Transportation Agency Safety Plan (PTASP) Final Rule.
- The PTASP rule became effective on July 19, 2019.
- The PTASP rule includes requirements for transit operators in urbanized areas (e.g. COAST, MTA) and metropolitan planning organizations (e.g. RPC) to adopt public transportation safety performance targets.
- Due to the COVID pandemic, PTASP rule compliance requirements have been delayed from July 20, 2020 to July 21, 2021

# Public Transportation Safety Requirements

- On May 26, 2021 COAST updated its PTASP including agency-level safety targets
- On February 23, 2021, the Manchester Transit Authority (MTA) adopted its PTASP, also including safety performance targets.
- Pursuant to the PTASP rule (49 CFR 673), the RPC MPO must set regional transit safety targets no more than 180 days after the completion of PTASPs by transit agencies in the region.

# Public Transportation Safety Measures

The federally-required public transportation safety measures include:

1. Number of Fatalities
2. Rate of Fatalities
3. Number of Injuries
4. Rate of Injuries
5. Number of Safety Events
6. Rate of Safety Events
7. System Reliability

System Reliability targets are based on the mean distance (number of miles) between major mechanical failures.

Rate Targets are based on incidence per 500,000 Vehicle Revenue Miles (VRM)

# Public Transit Safety Targets: Safety Events

A “safety event” is an event that occurs on a transit right-of-way or infrastructure, at a transit revenue facility, at a maintenance facility or rail yard, during a transit related maintenance activity, or involving a transit revenue vehicle that includes, but is not limited to:

- 1) A fatality confirmed within 30 days;
- 2) An injury requiring transport away from the scene for medical attention;
- 3) A serious injury; or
- 4) Substantial property damage to facilities equipment, rolling stock, or infrastructure that disrupts the operations of a transit agency.

# Public Transit Safety Targets FY2021: COAST

COAST	Performance Measure	FY2019 Performance	FY2020 Performance	FY2021 Targets
Fixed Route	Fatalities - Total	0	0	0
	Fatalities - Rate	0	0	0
	Injuries - Total	1	0	0
	Injuries - Rate	0.034	0	0
	Safety Events - Total	0	1	0
	Safety Events - Rate	0	0.034	0
	System Reliability	18,677	15634	19,000
Demand Response	Fatalities - Total	0	0	0
	Fatalities - Rate	0	0	0
	Injuries - Total	2	0	0
	Injuries - Rate	0.186	0	0
	Safety Events - Total	0	0	0
	Safety Events - Rate	0	0	0
	System Reliability	215,436	54,351	216,000

# Public Transit Safety Targets FY2021: MTA

MTA	Performance Measure	FY2019 Performance	FY2020 Performance	FY2021 Targets
Fixed Route	Fatalities - Total	0	0	0
	Fatalities - Rate	0	0	0
	Injuries - Total	3	3	2
	Injuries - Rate	2.3	2.4	1.6
	Safety Events - Total	20	18	17
	Safety Events - Rate	15.15	14.42	13.85
	System Reliability	30,125	30,919	30,460
Demand Response	Fatalities - Total	0	0	0
	Fatalities - Rate	0	0	0
	Injuries - Total	0	0	1
	Injuries - Rate	0	0	2.75
	Safety Events - Total	7	9	7
	Safety Events - Rate	18.87	26.3	19.55
	System Reliability	13,800	12,990	13,764

# Public Transit Safety Targets FY2021: Boston Express

Boston Express	Performance Measure	FY2019 Performance	FY2020 Performance	FY2021 Targets
Intercity Bus	Fatalities - Total			0
	Fatalities - Rate			0
	Injuries - Total			5
	Injuries - Rate			2.4
	Safety Events - Total			9
	Safety Events - Rate			4.3
	System Reliability			32,658

# Proposed MPO FY2021 Transit Safety Targets

	Performance Measure	COAST FY2021 Targets	MTA FY2021 Target	MPO FY2021 Draft Targets
Fixed Route	Fatalities - Total	0		<b>0</b>
	Fatalities - Rate	0		<b>0</b>
	Injuries - Total	0		<b>0</b>
	Injuries - Rate	0		<b>0</b>
	Safety Events - Total	0		<b>0</b>
	Safety Events - Rate	0		<b>0</b>
	System Reliability	19,000		<b>19,000</b>
Demand Response	Fatalities - Total	0	0	<b>0</b>
	Fatalities - Rate	0	0	<b>0</b>
	Injuries - Total	0	1	<b>1</b>
	Injuries - Rate	0	2.75	<b>1.69</b>
	Safety Events - Total	0	7	<b>7</b>
	Safety Events - Rate	0	19.55	<b>11.8</b>
	System Reliability	216,000	13,764	<b>13,764</b>

# Proposed MPO FY2021 Transit Safety Targets

<b>Boston Express</b>	Performance Measure	FY2019 Performance	FY2020 Performance	FY2021 Targets
<b>Intercity Bus</b>	Fatalities - Total			0
	Fatalities - Rate			0
	Injuries - Total			5
	Injuries - Rate			2.4
	Safety Events - Total			9
	Safety Events - Rate			4.3
	System Reliability			32,658

# Questions?