



**Massachusetts Bay
Transportation Authority**

SMS and Safety Oversight Team Overview

**Michael Catsos
Director of SMS and Safety Oversight**

SMS and Safety Oversight – Team Overview

- Core areas of responsibility:
 - Compliance with Federal and State Safety Regulations
 - Safety Management System (SMS) Implementation
 - Long-term Support for SMS Required Processes
 - Proactive Hazard Identification and Management
 - Monitoring Effectiveness of Risk Mitigations
 - Decision Support Tools and Processes for Leadership
 - Training, Communication, and Interface with Front-Line Employees
- Two sub-teams:
 - Safety Assurance and Promotion
 - Safety Data

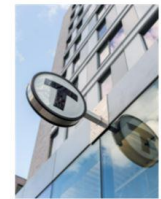


Safety Assurance & Promotion

- Corrective Action Plan Tracking and Implementation Support
- Safety Risk Management Support
- Internal and External Auditing
- Safety Committee Monitoring and Recordkeeping
- Safety Communications and Training
- Field Observations and Inspections

OBJECTIVES

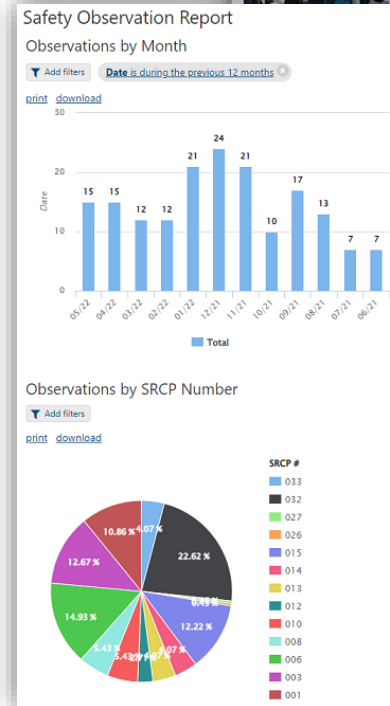
Upon completing this course, you should be able to:



Identify the benefits - both personal and for the MBTA - of you being an active member of your local safety committee.

Define roles and responsibilities for personnel involved in local safety committee.

Describe what happens before, during, and after local safety committee.



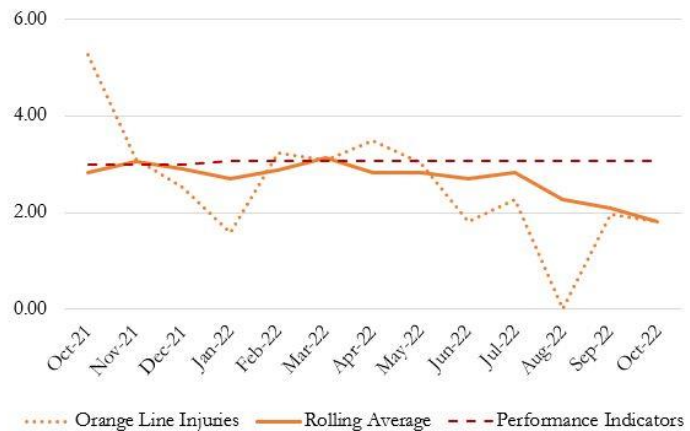
Safety Data



MBTA
SAFETY DATA ANALYSIS REPORT



Orange Line Customer Injuries per 1,000,000 Customers



- Employee Safety Reporting Program Management
- Field Observations and Inspections
- KPI Monitoring
- Safety Data Collection and Validation
- Daily, Weekly, and Monthly Data Reporting
- Ad-Hoc Data Analysis for Decision Support





**Massachusetts Bay
Transportation Authority**

Safety Data Analysis Report

BUS

SAFETY PERFORMANCE INDICATORS



See Notes

Bus - Safety Performance Indicators																2023	2023	2023	2023
Bus	2022 Monthly Target	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	2022 Target	2022 YTD	Monthly Target	Jan-23	Target	YTD
Fatalities - Total ¹	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTD Reportable Safety Events - Total ²	10	8	4	7	7	8	6	8	12	11	12	10	6	120	99	8	8	98	8
NTD Reportable Safety Events - Rate per million revenue miles	5.21	4.26	2.37	3.63	3.83	4.35	3.26	4.45	6.35	6.50	6.53	5.59	3.32	5.21	4.54	4.21	4.48	4.21	4.48
NTD Reportable Injuries - Total ²	27	18	21	19	21	18	22	19	28	35	43	13	20	324	277	24	23	286	23
NTD Reportable Injuries - Rate per million revenue miles	14.00	9.59	12.42	9.86	11.50	9.80	11.95	10.57	14.83	20.69	23.40	7.26	11.07	14.00	12.70	12.23	12.88	12.23	12.88
Customer Injuries - Rate per million passenger trips	2.93	2.18	3.30	2.74	2.57	2.29	2.16	1.96	2.12	4.07	3.72	1.42	2.02	2.93	2.56	2.54	2.83	2.54	2.83
Collisions - Rate per million revenue miles	57.42	74.58	79.83	77.88	63.51	81.08	65.75	60.09	81.54	90.43	72.37	83.82	67.56	57.42	74.78	60.08	68.30	60.08	68.30
with Vehicle - Rate per million revenue miles	44.18	59.66	61.50	60.75	53.11	64.21	52.71	46.74	65.13	72.70	58.76	68.18	55.37	44.18	59.84	56.64	49.82	56.64	49.82
with Object - Rate per million revenue miles	9.73	11.72	14.78	13.50	7.67	14.15	9.78	11.13	11.65	13.00	11.43	11.18	8.31	9.73	11.51	10.77	15.67	10.77	15.67
with Person - Rate per million revenue miles	1.51	0.53	1.77	2.08	1.10	1.09	1.09	1.11	1.59	2.96	1.09	1.68	0.55	1.51	1.38	1.49	1.68	1.49	1.68
with T Vehicle - Rate per million revenue miles	2.00	2.66	1.77	1.56	1.64	1.63	2.17	1.11	3.18	1.77	1.09	2.79	2.21	2.00	1.97	2.39	1.12	2.39	1.12
Reportable Smoke/Fire Incidents	1	1	0	0	1	2	0	3	2.00	1	2	2	0	15	14	1	1	16	1
Mean Miles between Mechanical Failures	25,000	18,531	22,047	26,099	25,623	25,199	27,128	23,317	17,374	16,595	22,229	14,685	19,428	25,000	18,718	29,500	15,091	29,500	15,091

1 In accordance with FTA performance target guidance, trespasser and suicide related fatalities are excluded from fatality counts
 2 In accordance with FTA performance target guidance, security related events (including suicides/attempted suicides) are excluded from the safety events total



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RAIL



SAFETY PERFORMANCE INDICATORS - Heavy Rail

See Notes

Heavy Rail - Safety Performance Indicators																			
Heavy Rail	2022 Monthly Target	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	2022 Target	2022 YTD	2023 Monthly Target	Jan-23	2023 Target	2023 YTD
Fatalities - Total ¹	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0
NTD Reportable Safety Events - Total ²	2	0	3	1	2	5	2	2	3	4	0	0	3	24	25	2	1	24	1
NTD Reportable Safety Events - Rate per million revenue miles	1.00	0.00	1.78	0.52	1.09	2.75	1.18	1.31	2.17	3.23	0.00	0.00	2.05	1.00	1.32	1.07	0.64	1.07	0.64
NTD Reportable Injuries - Total ²	16	23	18	18	23	17	16	14	11	17	14	20	11	195	202	15	23	180	23
NTD Reportable Injuries - Rate per million revenue miles	8.46	12.54	10.66	9.32	12.56	9.36	9.42	9.14	7.96	13.75	12.58	13.65	7.52	8.46	10.64	7.99	14.64	7.99	14.64
Mainline Revenue Train Derailments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Mainline Non-Revenue Train Derailments	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Yard Derailments	0	0	0	1	0	0	0	0	0	0	0	0	0	3	1	0	0	4	0
Maintenance Vehicle Derailments	0	0	1	0	0	3	0	0	3	1	0	0	0	5	8	0	0	5	0
Mean Miles between Mechanical Failures	47,500	26,133	33,891	43,898	51,980	73,942	66,535	41,019	44,136	50,554	77,170	64,826	49,750	47,500	55,222	44,500	64,076	44,500	64,076

1 In accordance with FTA performance target guidance, trespasser and suicide related fatalities are excluded from fatality counts

2 In accordance with FTA performance target guidance, security related events (including suicides/attempted suicides) are excluded from the safety events total



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RAIL

SAFETY PERFORMANCE INDICATORS – HEAVY RAIL CONT'D

Orange Line	2022 Monthly Target	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	2022 Target	2022 YTD	2023 Monthly Target	Jan-23	2023 Target	2023 YTD
Customer Injuries - Rate per million passenger trips	3.06	1.57	3.25	3.02	3.39	2.94	1.80	2.27	0.00	1.97	1.80	1.80	1.18	3.06	2.13	1.85	2.72	1.85	0.54
Collisions - Rate per million revenue miles	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.68	0.00	0.00	0.00	2.27	0.80	0.88	0.00	0.88	0.00
with Vehicle - Rate per million revenue miles	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00
with Object - Rate per million revenue miles	0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.12	0.00	0.00	0.00	0.7	0.54	0.2	0.00	0.2	0.00
with Person - Rate per million revenue miles	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.7	0.00	0.7	0.00
with T Vehicle - Rate per million revenue miles	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.00	0.00	0.00	0	0.27	0.00	0.00	0	0.00
Reportable Smoke/Fire Incidents	2	1	5	2	7	2	1	5	1	2	0	0	1	28	27	2	1	58	1
Red Line	2022 Monthly Target	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	2022 Target	2022 YTD	2023 Monthly Target	Jan-23	2023 Target	2023 YTD
Customer Injuries - Rate per million passenger trips	3.01	5.75	3.99	2.51	3.15	1.76	1.75	1.54	2.71	1.74	1.73	4.29	2.46	3.01	2.65	2.02	3.68	2.02	0.74
Collisions - Rate per million revenue miles	0.88	1.88	0.00	0.84	0.00	0.00	1.89	0.00	0.00	1.27	0.00	0.00	0.00	0.88	0.52	0.00	1.21	0	0.24
with Vehicle - Rate per million revenue miles	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00
with Object - Rate per million revenue miles	0.32	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.09	0.4	0.00	0.4	0.00
with Person - Rate per million revenue miles	0.4	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.4	0.26	0.4	1.21	0.4	0.24
with T Vehicle - Rate per million revenue miles	0.16	0.00	0.00	0.84	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.17	0.00	0.00	0	0.00
Reportable Smoke/Fire Incidents	5	6	11	5	5	0	5	2	3	2	3	3	2	70	47	5	2	91	2
Blue Line	2022 Monthly Target	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	2022 Target	2022 YTD	2023 Monthly Target	Jan-23	2023 Target	2023 YTD
Customer Injuries - Rate per million passenger trips	1.05	3.88	0.00	0.00	1.01	0.00	1.79	0.00	1.76	1.66	1.69	0.00	0.96	1.05	1.05	0.88	0.93	0.88	0.19
Collisions - Rate per million revenue miles	0.72	6.03	0.00	2.79	0.00	4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	1.10	0	0.00	0	0.00
with Vehicle - Rate per million revenue miles	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.5	0.00	0.5	0.00
with Object - Rate per million revenue miles	0.48	6.03	0.00	0.00	0.00	4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.83	0.5	0.00	0.5	0.00
with Person - Rate per million revenue miles	0.24	0.00	0.00	2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.28	0	0.00	0	0.00
with T Vehicle - Rate per million revenue miles	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00

1 In accordance with FTA performance target guidance, trespasser and suicide related fatalities are excluded from fatality counts

2 In accordance with FTA performance target guidance, security related events (including suicides/attempted suicides) are excluded from the safety events total



RAIL

SAFETY PERFORMANCE INDICATORS – LIGHT RAIL

Light Rail - Safety Performance Indicators																			
Light Rail	2022 Monthly Target	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	2022 Target	2022 YTD	2023 Monthly Target	Jan-23	2023 Target	2023 YTD
Fatalities - Total ¹	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTD Reportable Safety Events - Total ²	2	3	3	4	2	2	5	1	5	3	1	2	2	31	33	2	2	27	2
NTD Reportable Safety Events - Rate per million revenue miles	5.58	6.27	6.79	8.05	4.16	4.10	10.30	2.05	9.94	5.67	1.84	3.94	3.83	5.58	5.53	4.94	3.83	4.94	3.83
NTD Reportable Injuries - Total ²	7	5	10	7	5	11	12	9	8	9	6	10	12	84	104	7	10	79	10
NTD Reportable Injuries - Rate per million revenue miles	14.70	10.45	22.64	14.09	10.41	22.57	24.71	18.44	15.91	17.01	11.04	19.70	22.99	14.70	17.44	14.35	19.15	14.35	19.15
Mainline Revenue Train Derailments	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	2	1
Mainline Non-Revenue Train Derailments	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	2	0
Yard Derailments	0	0	0	0	0	0	0	0	0	0	0	0	1	4	1	0	0	4	0
Maintenance Vehicle Derailments	0	1	0	2	1	1	0	0	0	0	0	0	0	1	5	0	0	3	0
Mean Miles between Mechanical Failures	7,500	7,329	5,311	7,558	9,806	8,150	6,302	6,187	5,898	6,146	7,673	9,688	8,115	7,500	6,618	7,650	4,622	7,650	4,622
Green Line	2022 Monthly Target	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	2022 Target	2022 YTD	2023 Monthly Target	Jan-23	2023 Target	2023 YTD
Customer Injuries - Rate per million passenger trips	3.48	2.00	3.00	2.21	1.70	4.38	1.77	1.35	3.85	2.55	2.16	2.98	4.77	3.48	2.72	2	3.99	2	3.99
Collisions - Rate per million revenue miles	4.44	6.27	11.32	6.04	6.24	2.05	10.30	0.00	7.95	1.89	1.84	9.85	1.92	4.44	5.37	2.86	3.83	2.86	3.83
with Vehicle - Rate per million revenue miles	1.66	4.18	9.06	4.03	4.16	2.05	4.12	0.00	1.99	1.89	0.00	9.85	0.00	1.66	3.35	1.36	0.00	1.36	0.00
with Object - Rate per million revenue miles	0.74	0.00	0.00	0.00	2.08	0.00	0.00	0.00	1.99	0.00	0.00	0.00	1.92	0.74	0.50	0.44	1.91	0.44	1.91
with Person - Rate per million revenue miles	0.92	0.00	0.00	0.00	0.00	0.00	2.06	2.05	3.98	0.00	0.00	0.00	0.00	0.92	0.67	0.48	1.91	0.48	1.91
with T Vehicle - Rate per million revenue miles	1.11	2.09	2.26	2.01	0.00	0.00	4.12	0.00	0.00	0.00	1.84	0.00	0.00	1.11	1.01	0.58	0.00	0.58	0.00
Reportable Smoke/Fire Incidents	3	3	8	4	2	2	2	3	3	1	1	0	2	33	31	5	1	62	1

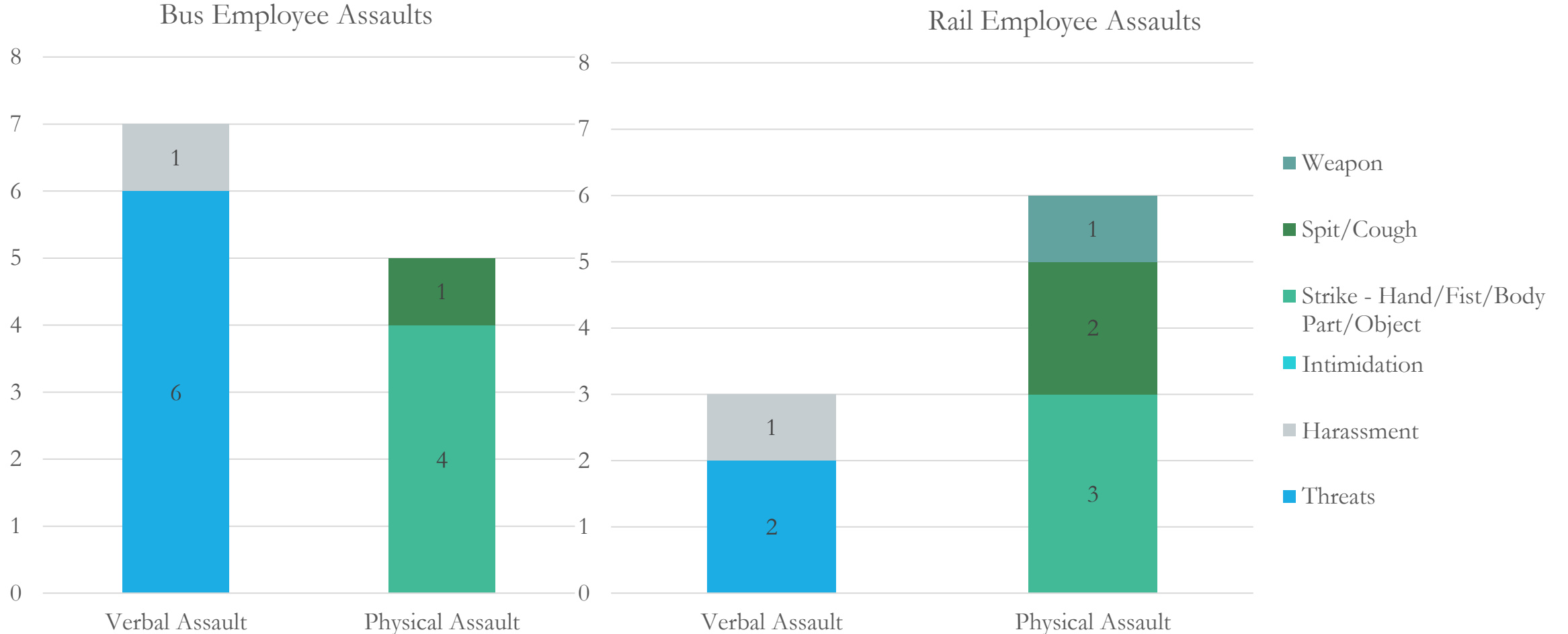
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EMPLOYEE INJURIES

EMPLOYEE ASSAULTS BY MODE AND TYPE



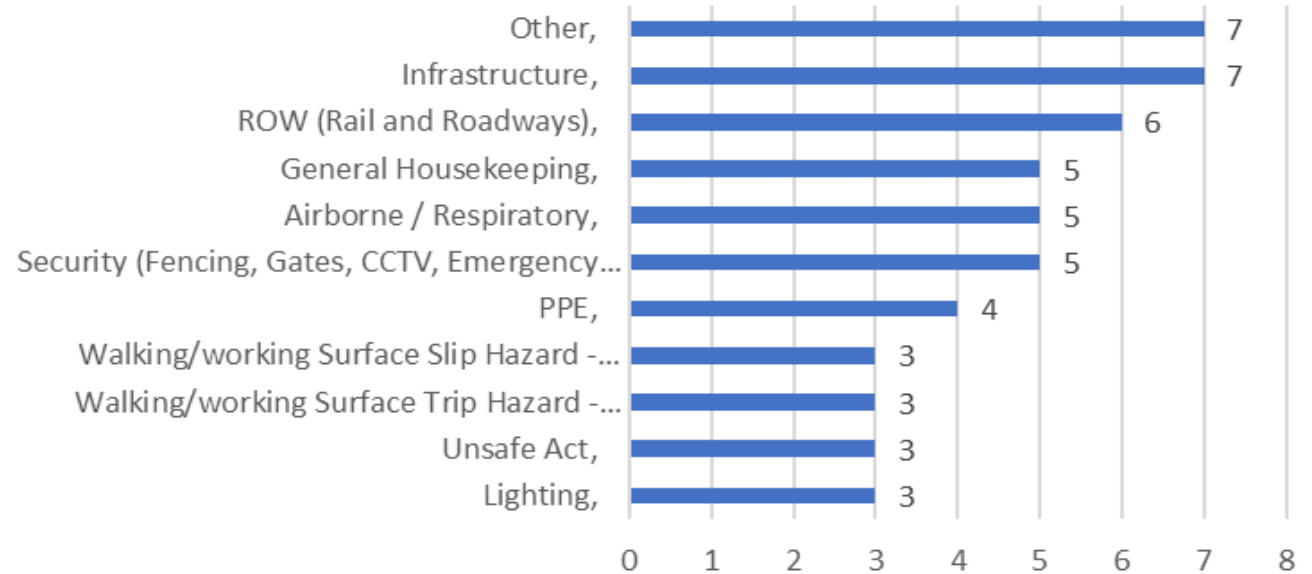
SAFETY HOTLINE REPORTING SYSTEM

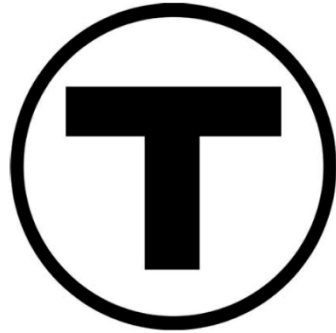
Safety Hotline Reporting Options

- Safety Hotline: (617) 222-SAFE/7233
- Safety Notification email: SafetyNotification@mbta.com
- Direct reporting to an MBTA Safety official
- Submitting Form B by email, to an MBTA Safety official, or by fax: (617) 222-5127

Month	Total Reports	Closed
November 2023	26	13
December 2023	25	15
January 2023	23	6
Total	74	34

Safety Hotline Reports by Hazard Types (3 or more):
Past 3 months





**Massachusetts Bay
Transportation Authority**

2022 Internal Safety Audit Overview

Internal Safety Audits: Background

- Federal and state regulations at 49 CFR Part 673 and 22 CMR 151 require internal audits to evaluate compliance with safety program and associated policies / procedures
- MBTA's audit program applies to all directly operated and contract services for:
 - Heavy Rail
 - Light Rail
 - Bus
 - Paratransit



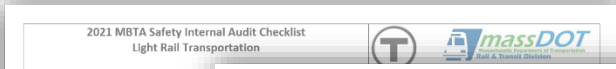
Internal Safety Audits: Timeline

- Departments and functions audited according to a rolling three-year schedule, with all areas audited at least once triennially

2022 (Complete)	2023	2024
Heavy Rail Transportation & Training	Operations Control Center (OCC)	Rail Vehicle Maintenance
Capital Delivery	Transit Facilities Maintenance (TFM)	Maintenance of Way (MOW)
Power	Procurement & Logistics	Light Rail Transportation & Training
Signals	Bus Maintenance	Occupational Health Services
Safety	E&M Training	Paratransit (The RIDE)
Bus Operations	Capital Transformation	Vertical Transportation
	Bridges, Tunnels, and Structures	



Internal Safety Audits: Process



2021 Internal Safety Audit Document Request

Note: The items listed below represent broad categories of documents which may be maintained by Light Rail Transportation. While Light Rail Transportation may not have written documents for each item, the review team encourages Light Rail Transportation to respond with related documents corresponding to each category whenever possible. If a requested item does not exist, please mark "N/A" in the Comments column. In addition, please identify any documents which may only be made available to the team during the on-site portion of the review. Feel free to include any additional documents not identified here related to the department's safety programs and activities.

Item #	Documents Requested
1	Sample of Any Communication to Employees re: Safety Activities or Issues (e.g. Memo, Job Briefing, Special Order, etc.)
2	Copy of Department Goals and Objectives
3	Sample of Agendas, Minutes, and/or Action Items for Safety-Related Committees (i.e. facility specific, etc)
4	Light Rail Transportation Organizational Chart
5	Sample Job Postings for Motorpersons, Supervisory Staff, etc.
6	Copy of Procedures / Communications re: Employee Safety Reporting
7	Sample Document Related to a Recent System Process Modification (e.g. Rule Procedure Physical Change)
8	Documentation related to LR Transportation participation in Safety Certification process, if applicable (Type 9s, etc.)
9	Copy of Safety Information Data Shared with Senior Management (e.g. Report, Presentation, Correspondence, Briefing)

massDOT
Massachusetts Department of Transportation

MEMORANDUM

TO: Andrea Gordon
AGM - Rail

FROM: Michael Catsos
Deputy Director of Safety Assurance and SMS Implementation

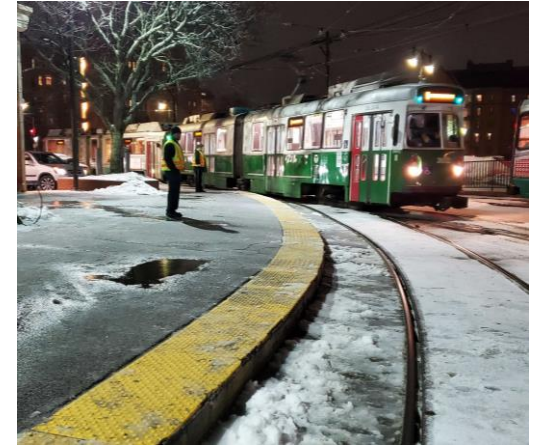
DATE: April 30, 2021

SUBJECT: 2021 Internal Safety Audit Notification— Light Rail Transportation

OVERVIEW:
Pursuant to 49 CFR 673 and 220 CMR 151.05 (Internal Safety Audits), MBTA Safety is required to perform annual internal safety audits to evaluate compliance with and implementation of the MBTA Transit Safety Plan. MBTA Safety hereby provides 30-day notice of an upcoming audit.

As part of its comprehensive internal audit program, this year MBTA Safety will audit **Light Rail Transportation** on all components of the MBTA Transit Safety Plan (enclosed for your reference), which include the following:

- Safety Management Policy Statement
- MBTA Safety Management System (SMS) Implementation
- Organizational Structure & Responsibilities
- Safety Risk Management



Internal Safety Audits: Process

2021 MBTA Safety Internal Audit Checklist
Rail Vehicle Maintenance

Department: Rail Vehicle Maintenance
Department Representative(s): Steve Hicks, Joseph Gentilucci, Timothy Davis, Gary Ventile
Review Period(s): 3/22/21 - 3/24/21
Reference Criteria: 2021 MBTA Safety Plan

#	SSPP Element	General Requirements / Safety Management Policy (Includes activities and associated plans/procedures identified in Transportation Safety Plan [TSP] Sections 1. Introduction, 2. Safety Management System (SMS) Policies, 3. Safety Performance and Documentation, 4. Organizational Structure and Responsibilities)	Department Response / Review Team Observations	Key
1.1	Element 1: Introduction	Are you familiar with the MBTA Safety Plan? How is it made available to all employees?	The MBTA Safety Plan is available to all Rail Vehicle Maintenance (RVM) personnel via the MBTA Intranet and will be soon available on the MBTA "Stop webpage". The Intranet is updated by Safety when changes are made to the Safety Plan.	COM
1.2	Element 1: Introduction	How are safety standards and policies communicated to Rail Vehicle Maintenance employees?	Safety standards and policies are communicated through trainings, toolbox talks, and message boards. Critical standards or policies require employees to sign off on policy verification receipts. As an example, there is a Standard Operating Procedure (SOP) created for accessing the underside of a light rail streetcar outside of the carhouse facility. The purpose of the SOP was to familiarize employees with the correct methods.	COM

Charles D. Baker, Governor
Kathy E. Polito, Lieutenant Governor
Stephanie Poliak, Massachusetts Secretary & CEO
Steve Poliak, General Manager

massDOT
Massachusetts Department of Transportation

MBTA SAFETY 2020 Internal Safety Interview Report

Date: December 28, 2020

TO: Steve Hicks Chief Mechanical Officer Howard Pransky Chief Maintenance Officer	CC: D. Hart H. Sumner M. Catos O. Sanchez	T. Zentz K. Chronley S. Baker
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FROM: Ronald Ester
Chief Safety Officer

Area Audited: Bus Maintenance

Audit Approach:
Assessment of the department's adequacy in meeting safety program requirements as outlined in the MBTA Safety Plan, derived from the referenced documents listed below.

Reference Documents:

- 2019 MBTA Safety Plan
- Department of Public Utilities (DPU) Regulation 220 CMR 151.03
- Federal Transit Administration (FTA) Regulation 49 CFR 673

Audit Date: September 16, 2020 - September 18, 2020

Summary:
MBTA's Bus Maintenance function is responsible for managing the condition of the transit bus fleets, all major/minor repairs, and the records for the maintenance activities performed. Bus Maintenance is comprised of a management group, eight (8) bus repair facilities, two (2) non-revenue repair facilities, a Bus Maintenance Engineering group and a Bus Maintenance Training group.

MA DPU
Transportation Oversight

CORRECTIVE ACTION PLAN

MBTA CAP NUMBER	DATE	SAFETY OFFICIAL
7373 - 7374	5/30/21	Michael Catos
DPU REFERENCE NUMBERS	MBTA REFERENCE NUMBERS	

MITIGATED HAZARD

Item 1: At the time of the audit, Bus Maintenance did not maintain a schedule for review and update of Emergency Response Plans.

Item 2: Bus Maintenance maintains several effective processes for hazard identification, but the results of hazard identification and tracking activities are not consistently communicated to Safety.

Item 3: MBTA Safety observed minor housekeeping and safety issues during the Albany facility inspection. 1. A worker was observed performing maintenance beneath a bus without wearing proper eye protection. 2. Several unlabeled containers containing unknown liquids were identified in the central area of the facility.

Item 4: During the Albany facility inspection, Bus Maintenance management and MBTA Safety observed two safety-related conditions for which Bus Maintenance requires additional support from outside departments to resolve. 1. A steel plate installed on the floor of the fuel alley to manage structural deterioration presents a slip, trip, and fall hazard when wet. 2. Spoil-mounted electrical cables were installed several months ago in one of the facility's maintenance bays to power lifts and remove the slip, trip, and fall hazard of power cables on the floor. However, Bus Maintenance has not succeeded in coordinating with Engineering & Maintenance to have the cables wired and activated.

LIST OF CORRECTIVE ACTIONS

Please include a numbered list of all corrective action items related to this plan. Fill out an individual form for each corrective action item attached to this document.

Corrective Action

Item 1 - Bus Maintenance has scheduled an annual facility Emergency Plan process that will be updated and posted by 12/31 of each year. Individual facility managers will be responsible for making these updates. Access to the updated plans will be shared with MBTA Safety.

Item 2 - Bus Maintenance will utilize existing meetings between maintenance management and MBTA Safety, including the Weekly Safety Report review meeting, the Bi-weekly Safety / Operations Coordination Meeting, and daily Operations coordination calls, to raise hazards with MBTA Safety for logging and management. The results of these discussions will be



Internal Safety Audits: Process

Assessment Scale Level	Description
Noncompliant (NC)	Not in compliance with applicable regulations or MBTA safety program requirements.
Compliant with Recommendation (CWR)	Technically in compliance with applicable regulations and requirements, but: <ul style="list-style-type: none"> • No written plan, policy, or procedure is in place; • Practices not fully consistent with industry best practices and standards; • Organizational and resource issues inhibit performance of safety activities.
Compliant (COM)	Resources in place to accomplish all objectives. Employees trained and knowledgeable on the policies and procedures which facilitate compliance with safety requirements.

- In 2022:
 - Seven (7) Findings of Noncompliance
 - Nine (9) Findings of Compliance with Recommendation across six audited departments and functions
- Department / business unit management notified of potential findings and observations immediately during audit interviews and field activities



Internal Safety Audits: Reporting

- Summary Reports for individual audits issued within 90 days
- Corrective Action Plans due from department/business unit 30 days after Summary Report issued
- Annual ISA Report summarizing all activities in previous year due annually to DPU by February 15
 - Signed by MBTA Accountable Executive / General Manager

Massachusetts Bay
Transportation Authority

2022 ANNUAL INTERNAL SAFETY AUDIT REPORT

Ronald Ester
Chief Safety Officer



FEBRUARY 2023

MBTA SAFETY

