



SMS ROUNDTABLE

Safety Event Investigation Causal and Contributing Factors

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May 8th, 2025



AGENDA

Safety Event Investigations

- New Investigations Business Unit
- Realignment Under the Office of SMS

Safety Training

- Dedicated Training Manager
- New Hire Onboarding & Ongoing Training
- Regulatory Oversight



Safety Event Investigations Evolution

2020 – Long Standing Safety Organizational Structure

- 1 Safety Manager
- 9 Safety Officers / 1 Senior Safety Officer
- All Modes

2021 – Addition of Safety Officers and Senior Officers

- 1 Safety Manager
- 13 Safety Officers / 4 Senior Safety Officers
- All Modes

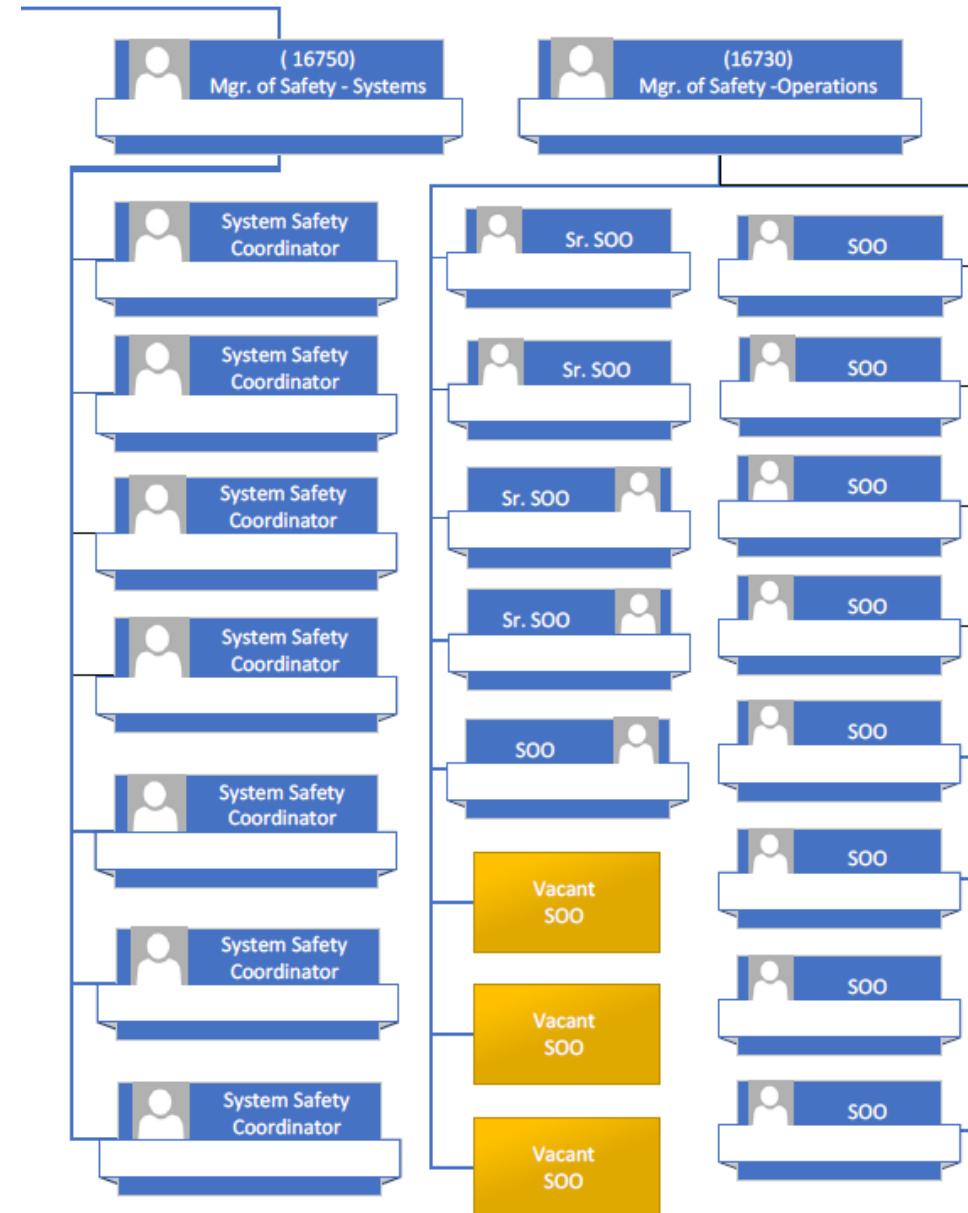
2022 – Addition of Safety Manager and Split by Mode

- 2 Managers (1 Bus Safety, 1 Rail Safety)
- 7 Rail Safety Officers/ 6 Bus Safety Officers
- 2 Rail Senior Officers / 2 Bus Senior Officers
- Creation of Office of SMS

2023 – Creation of Investigations Business Unit

- 1 Manager of Safety Investigations (new position)
- 4 Senior Safety Officers Moved to Investigations
- All Modes

2024 – Realignment of Investigations under Office of SMS



Safety Investigations & Safety Assurance

Safety Investigations

- Team Organization (Operational Safety, SMS)
 - On-Call Response Structure
- Conducting Investigations
 - Coordination w/ Operational Safety
 - Standard Template for Report Writing
 - Emphasis on Determining Causal and Contributing Factors
 - Developing Corrective Actions

Safety Assurance

- Continuous Improvement
- Rules Compliance
- Station/Wayside Inspections
- Management of Safety 1st / Safety Hotline
- Monitoring of Corrective Actions
- Special Initiatives/Assignments



METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY

OFFICE OF SAFETY

SAFETY ASSURANCE OPERATIONAL ACTIVITIES STANDARD OPERATING PROCEDURE

ISSUED BY:
OFFICE OF SAFETY

OCTOBER 2024

REVISION # 0

Safety Training

Dedicated Training Manager for Safety

- Leveraging Subject Matter Expertise
- TSSP/PTSCTP Certification Program
- TSI Course Hosting & Management
- Wayside Certification Renewals

New Hire Onboarding Program / Ongoing Refresher Training

- 6 Week Onboarding Program
- Safety Event Notification Requirements
 - (Quick Reference Guide & Notification Script)
- Preliminary Report Writing
- Standard Template for Report Writing
- Identifying Causal and Contributing Factors
- Developing SMART Corrective Actions


METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY

Event Investigation Procedure

Prepared By:

Department of Safety & Quality Assurance

May 2024

Revision: 9





Training Materials

NOTIFICATION REFERENCE GUIDE (Front)

Safety Event Category	Definitions - https://www.transit.dot.gov/ntd/national-transit-database-ntd-glossary	2-Hour Notification
a. Fatality	Resulting in death to a passenger or employee including a death at a rail grade crossing	SSOA/FTA NTSB
b. Two or more injuries	Resulting in two or more injuries Resulting in two or more injuries to passengers or employees requiring hospitalization	SSOA/FTA NTSB
c. Derailment	Resulting in any derailment on the mainline or rail yard	SSOA/FTA
d. Collision	Resulting in one or more injuries	SSOA/FTA
e. Collision	Between two rail transit vehicles	SSOA/FTA
f. Collision	Resulting in disabling damage to a rail transit vehicle	SSOA/FTA
g. Evacuation	For life safety reasons	SSOA/FTA NTSB
h. Unintended Train Movement	Mainline or Yard Area	SSOA/FTA

NOTIFICATION REFERENCE GUIDE (Back)

i. Fire/Smoke Event	2-Hour Notification Script This is [provide name], Safety Operational Officer for the MARTA Department of Safety and Quality Assurance Today is MM/DD/YYYY The time is 0000 HRS I am reporting (Fatality, Injury, Derailment, Collision, Evacuation, Unintended Train Movement, or Fire/Smoke) Safety Event This is FTA reportable, or This is not FTA Reportable/Why this event is FTA Reportable, or Why this event is not FTA Reportable This is NTSB reportable, or This is not NTSB reportable/Why this event is NTSB Reportable, or Why this event is not NTSB Reportable Date of the event is MM/DD/YYYY Time of Safety Event is 0000 HRS Time Operational Safety Officer was notified at 0000 HRS Provide Mode of Operation - Heavy Rail, LRV, or Maintenance and OTE. All must include the Vehicle Number Location of the event – Track ID, Block (interlocking to interlocking including the mile marker/track circuit number), Rail Station, Rail Yard, or Street Intersection Direction of vehicle travel and track ID - (SL, SR, NL, NR, NEL, NER, FL, FR, EL, ER, WL, WR, PL, PR) Initial assessment of the event – Include number of fatalities, injuries etc. (Provide a brief synopsis of what happened in the event) Preliminary estimate of property damage (To be determined)
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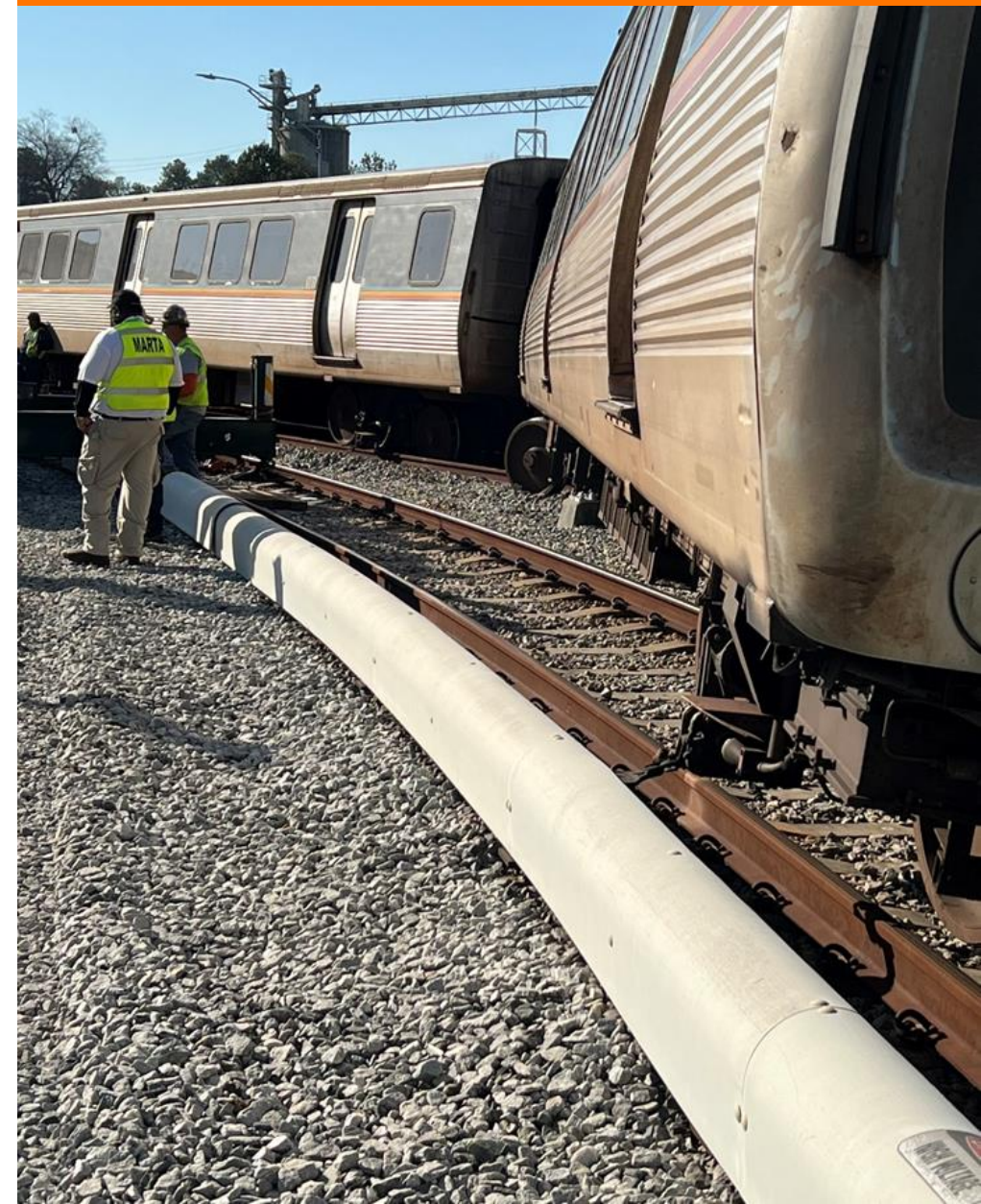
Training Regulatory Oversight

49 CFR part 674

- SSOA Program Standard
- FTA 2-Hour Notification Guide
- NTSB Reporting Requirements
- Special Directives & Safety Advisories

49 CFR part 672

- Public Transportation Safety Certification Training Program (PTSCTP)
- Transit Safety Security Program (TSSP)





Thank You



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