



Metropolitan Transportation Authority

Safety Committee Meeting April 2021

Committee Members

P. Foye, Chair

A. Albert

N. Brown

L. Cortes-Vazquez

M. Fleischer

R. Herman

K. Law

R. Linn

H. Mihaltses

J. Samuelsen

V. Tessitore

N. Zuckerman

Safety Committee Meeting
2 BROADWAY 20TH FLOOR BOARD ROOM
NEW YORK, NEW YORK
Wednesday, 4/21/2021
10:00 AM - 5:00 PM ET

1. Public Comments

2. Approval of Minutes -

Minutes - Page 3

3. Safety Committee Work Plan

2021 Safety Committee Work Plan - Page 4

4. Safety Metrics

February

MNR Safety Metrics - Page 6

LIRR Safety Metrics - Page 7

B&T Safety Metrics - Page 8

NYCT Safety Metrics - Page 9

January

MNR Safety Metrics - Page 10

LIRR Safety Metrics - Page 11

B&T Safety Metrics - Page 12

NYCT Safety Metrics - Page 13

5. Safety Risk Management: Transformation

Safety and Security Transformation Charts - Page 14

Date of Next Meeting: July 2021

Minutes of the Safety Committee Meeting April 21,
2021
2 Broadway, 20th Floor Board Room
New York, NY 10004

Because of the ongoing COVID-19 public health crisis, the MTA Chairman convened a one-day, virtual Board and Committee meeting session on January 21, 2021, which included the following committees:

- Long Island Rail Road and Metro-North Railroad;
- New York City Transit;
- MTA Bridges and Tunnels;
- Finance;
- Capital Program Oversight Committee;
- Audit;
- Safety Committee.

To see a summary of the meeting and the actions taken by the Safety Committee please refer to the April, 2021 Board minutes in the Board Book available here on the Board materials website: <https://new.mta.info/transparency/board-and-committee-meetings>

2021 Safety Committee Work Plan

I. RECURRING AGENDA ITEMS

<u>Topic</u>	<u>Responsibility</u>
Public Comments	Committee Chair & Members
Approval of Minutes	Committee Chair & Members
Committee Work Plan	Committee Chair & Members

II. SPECIFIC AGENDA ITEMS

	<u>Responsibility</u>
<u>January 2021</u>	
Safety Policy	
- Approval of 2021 Work Plan	MTA Chief Safety Officer
Safety Risk Management	
- Agency Safety Statistics	Agency Safety Leads
- COVID-19 Update	MTA Chief Safety Officer
<u>April 2021</u>	
Safety Promotion	
- Agency Safety Statistics	Agency Safety Leads
Safety Risk Management	
- Transformation	MTA Chief Safety Officer
<u>July 2021</u>	
Safety Risk Management	
- NTSB Recommendation Status Review	MTA Chief Safety Officer
- Agency Safety Statistics	Agency Safety Leads
- Drug & Alcohol Program Overview	MTA Corporate Health Officer
<u>October 2021</u>	
Safety Policy	
- Agency Safety Statistics	Agency Safety Leads
- Homeless Outreach Update	MTA Chief Safety Officer

Detailed Summary

I. RECURRING AGENDA ITEMS

Approval of Minutes

The Committee Chair will request a motion to approve the minutes of the prior meeting of the Safety Committee.

Committee Work Plan

The Work Plan will list, by meeting, the topics scheduled for review. The Committee will be advised if any changes have been made to the plan.

II. SPECIFIC AGENDA ITEMS

Note: The SMS framework has four pillars: Safety Policy, Safety Risk Management, Safety Assurance, and Safety Promotion. To facilitate general oversight of SMS activities at the MTA and its agencies, each agenda items will generally pertain to one of these pillars.

January 2021

Safety Policy – Approval of the 2021 workplan

The committee will receive a discussion on the 2021 workplan and asked to approve.

Safety Risk Management

The committee will receive 2020 safety metrics and the continuing Covid-19 related efforts.

April 2021

Safety Promotion & Safety Risk Management

The committee will receive updated safety metrics and a briefing on Transformation.

July 2021

Safety Risk Management

The committee will receive a midyear report on safety metrics as well as a briefing on NTSB recommendations and an overview of the drug and alcohol program.

October 2021

Safety Policy

The committee will receive an update on safety metrics from the agency safety leads. The chief safety officer will brief on Homeless Outreach activities.

February 2021 Safety Report

Performance				
Performance Indicator	12-Month Average			
	March 2018 - February 2019	March 2019 - February 2020	March 2020 - February 2021	
FRA Reportable Customer Accident Rate per Million Customers	0.94	1.07	1.97	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.45	1.99	2.06	
	2020		2021	
	February	Year to Date	February	Year to Date
Grade Crossing Incidents ¹	0	1	0	0
Mainline FRA Reportable Train Derailments	0	0	0	0
Mainline FRA Reportable Train Collisions	0	0	0	0

¹ Per FRA - Any impact between railroad on-track equipment and a highway user at a highway-rail grade crossing. The term "highway user" includes automobiles, buses, trucks, motorcycles, bicycles, farm vehicles, pedestrians, and all other modes of surface transportation motorized and un-motorized.

Leading Indicators				
Safety Training	2020		2021	
	February	Year to Date	February	Year to Date
First Responders Trained	450	569	0	57
Employee Safety Training Courses	125	175	93	129
Employees Trained	1,518	2,312	1,083	1,809
Employee Safety Training Hours	26,559	60,361	11,292	21,710
Customer and Community: Focus on Grade Crossings	2020		2021	
	February	Year to Date	February	Year to Date
Broken Gates	1	4	0	0
MTA Police Details	43	82	23	32
Summons	79	144	45	74
Warnings	8	31	10	23
Community Education and Outreach*	16,590	20,370	1,388	2,171
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	956	100.00%	
Passenger Compartment Cameras	1,084	1,084	100.00%	

*Due to the COVID-19 pandemic, community outreach events are held virtually, as a result TRACKS numbers are lower than previous years.

Definitions:

First Responders Trained - The number of first responders trained by MNR's Emergency Management to assist in crisis events, such as train evacuation.

Employee Safety Training Courses - The number of distinct safety-related courses offered, including technical courses that have a safety element. Repeats are excluded so that each course is counted only once.

Employees Trained - The number of unique employees that attended one or more of these safety-related courses.

Employee Safety Training Hours - The total hours of training completed by employees in all safety-related courses attended.

Broken Gates - The number of events at grade crossing locations where a vehicle struck a crossing gate.

MTA Police Detail - The number of details specifically for the purpose of monitoring behavior at Grade Crossings.

Summons - The number of violations issued to a motorist for going around a crossing gate or due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Warnings - The number of warnings issued to motorists due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Community Education and Outreach - The number of individuals reached at a TRACKS event.

Cars Equipped with Cameras - Number of complete inward/outward and passenger compartment camera installations on rolling stock.

February 2021 Safety Report

Statistical results for the 12-Month period are shown below.

Performance					
Performance Indicator	12-Month Average				
	March 2018 - February 2019	March 2019 - February 2020	March 2020 - February 2021		
FRA Reportable Customer Accident Rate per Million Customers	2.04	2.38	5.62		
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.79	3.37	3.31		
		2020		2021	
		February	Year to Date	February	Year to Date
Grade Crossing Incidents ¹	0	1	2	3	
Mainline FRA Reportable Train Derailments	0	0	0	0	
Mainline FRA Reportable Train Collisions	0	0	0	0	

¹ Per FRA - Any impact between railroad on-track equipment and a highway user at a highway-rail grade crossing. The term "highway user" includes automobiles, buses, trucks, motorcycles, bicycles, farm vehicles, pedestrians, and all other modes of surface transportation motorized and un-motorized.

Leading Indicators				
Focus on Safety Training	2020		2021	
	February	Year to Date	February	Year to Date
First Responders Trained	50	99	15	50
Employee Safety Training Courses	88	174	54	100
Employees Trained	1,127	2,215	530	885
Employee Safety Training Hours	20,298	42,007	7,247	12,518
Customer and Community:	February	Year to Date	February	Year to Date
Broken Gates	10	17	7	14
MTA Police Details	45	90	79	167
Summons	207	423	207	455
Warnings	55	124	100	225
Arrests	0	0	1	1
Community Education and Outreach	11,386	18,455	2,003	4,443
Community Education and Outreach via Social Media			68,579	186,994

Definitions:

First Responders Trained - The number of first responders trained to assist in crisis events.

Employee Safety Training Courses - The number of distinct safety-related courses offered, including technical courses that have a safety element. Repeats are excluded so that each course is counted only once.

Broken Gates - The number of events at grade crossing locations where a vehicle broke a crossing gate.

MTA Police Detail - The number of details specifically for the purpose of monitoring behavior at grade crossings.

Summons for Grade Crossing Violation and other Infractions- The number of violations issued to a motorist for going around a crossing gate or due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Warnings - The number of warnings issued to motorists due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Safety Report February 2021

Statistical results for the 12-Month period are shown below.

Performance Indicator				
Performance Indicator	12-Month Average			
	March 2018 - February 2019	March 2019 - February 2020	March 2020 - February 2021	
Customer Collisions Rate per Million Vehicles	6.55	6.20	3.88	
Customer Injury Collisions Rate per Million Vehicles	1.01	0.90	0.63	
Employee Accident Reports	266	198	148	
Employee Lost Time Injuries Rate per 200,000 Hours Worked	7.7	6.1	6.0	
Construction Injuries per 200,000 Hours Worked	1.23	2.18	2.66	
Leading Indicators				
Roadway Safety	2020		2021	
	February	Year End	February	Year to Date
Workforce Development (# of Participants)	1	270	0	0
Fleet Preventative Maintenance Insp.	88	1463	73	200
Safety Taskforce Inspections	0	0	0	0
Construction Safety	February	Year End	February	Year to Date
Construction Safety Inspections	143	1621	66	123
Fire Safety	February	Year End	February	Year to Date
Fire Code Audits Completed	0	14	0	0
FDNY Liaison Visits	2	12	0	0

* Safety Manager evaluations at each B&T facility supersedes task force inspections due to COVID 19.

Definitions:

<p>Workforce Development provides for focused safety and skills training to all operations, maintenance and staff personnel. Classes feature OSHA 10 and 30 Classes, operations mandatory safety and skills instruction and retraining and specialty training (TIMS, CDL, FDNY instruction, Wrecker Driver Instruction and Roadway Safety Rules).</p>
<p>Fleet Preventative Maintenance Inspections are conducted at each location to improve the customer and worker safety environment. Inspections identify potential hazardous roadway or facility conditions and prescribe corrective actions to eliminate hazards.</p>
<p>Safety Taskforce Inspections are conducted by the joint Labor and Management Committee at each facility throughout the year on a rotating basis. The inspections consist of reviewing past accident and incident experiences/reports and facility safety reports. The Taskforce meets with location management and union representatives and makes a complete tour of the facility. The Taskforce is comprised of representatives of the Safety and Operations groups and has representation from each of the represented unions.</p>
<p>Construction Safety Inspections are conducted by an independent safety monitor to ensure that the necessary components for a safe construction are present. Inspections include review of safety organization, job hazard analysis, safe work plans for specific high risk activities, personal protective equipment, fire protection, industrial hygiene, and training.</p>
<p>Fire Code Audits are required by the NYS Uniform Fire Prevention Code. They are conducted by the Safety and Health Department at each building and facility throughout the Agency. They feature a review of fire prevention activities and the condition of fire fighting and suppression equipment.</p>
<p>FDNY Liaison Visits are conducted on a regular basis (typically twice a year) whereby local fire companies visit and tour the facilities to become familiar with the structures and buildings and the fire equipment provided. This facilitates the development of</p>

Monthly Operations Report February 2021

Statistical results for the 12-Month period are shown below

Safety Report			
Performance Indicators	12-Month Average		
	Mar 18 - Feb 19	Mar 19 - Feb 20	Mar 20 - Feb 21
Subways			
Subway Customer Accidents per Million Customers ¹	2.90	2.95	4.85
Subway Collisions ²			
Total	1	2	2
Mainline	0	0	0
Yard	1	2	2
Subway Derailments ²			
Total	4	5	10
Mainline	0	1	5
Yard	4	4	5
Subway Fires ²	805	751	922
Buses			
Bus Collisions Per Million Miles Regional	53.91	53.86	40.01
Bus Collision Injuries Per Million Miles Regional	6.06	6.16	4.50
Bus Customer Accidents Per Million Customers ¹ Regional*	1.36	1.49	1.82
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	3.75	4.39	5.24

¹ 12-month Average data from February through January.

² 12-month figures shown are totals rather than averages.

* = Due to the implementation of rear door boarding and suspension of fare collection to protect frontline employees from the spread of COVID-19, AFC (MetroCard and OMNY) was not used from March 23, 2020, to August 30, 2020, to determine ridership. During this time, ridership was estimated using Automated Passenger Counter (APC) data.

Leading Indicators				
Subways	February	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	25	57	340	16.8%
Joint Track Safety Audits -- Compliance Rate	100.0%	99.9%	100.0%	99.9%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	0	780	9,999	7.8%
Friction Pad Installation	1,236	2,694	22,000	12.2%
Buses	February	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Turn Warning System	7	10	780	1.3%
Vision Zero Employee Training	382	884	5,800	15.2%

January 2021 Safety Report

Performance				
Performance Indicator	12-Month Average			
	February 2018 - January 2019	February 2019 - January 2020	February 2020 - January 2021	
FRA Reportable Customer Accident Rate per Million Customers	0.96	1.02	1.56	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.47	1.99	2.11	
	2020		2021	
	January	Year to Date	January	Year to Date
Grade Crossing Incidents ¹	1	1	0	0
Mainline FRA Reportable Train Derailments	0	0	0	0
Mainline FRA Reportable Train Collisions	0	0	0	0

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Leading Indicators				
Safety Training	2020		2021	
	January	Year to Date	January	Year to Date
First Responders Trained	119	119	57	57
Employee Safety Training Courses	131	131	102	102
Employees Trained	1,312	1,312	1,082	1,082
Employee Safety Training Hours	22,262	22,262	10,403	10,403
Customer and Community: Focus on Grade Crossings	2020		2021	
	January	Year to Date	January	Year to Date
Broken Gates	3	3	0	0
MTA Police Details	39	39	9	9
Summons	65	65	29	29
Warnings	23	23	13	13
Community Education and Outreach*	3,780	3,780	783	783
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	956	100.00%	
Passenger Compartment Cameras	1,084	1,084	100.00%	

*Due to the COVID-19 pandemic, community outreach events are held virtually, as a result TRACKS numbers are lower than previous years.

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January 2021 Safety Report

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Performance					
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	February 2018 - January 2019	February 2019 - January 2020	February 2020 - January 2021		
FRA Reportable Customer Accident Rate per Million Customers	2.04	2.40	5.36		
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.73	3.43	3.19		
		2020		2021	
		January	Year to Date	January	Year to Date
Grade Crossing Incidents ¹	1	1	1	1	1
Mainline FRA Reportable Train Derailments	0	0	0	0	0
Mainline FRA Reportable Train Collisions	0	0	0	0	0

¹ Per FRA - Any impact between railroad on-track equipment and a highway user at a highway-rail grade crossing. The term "highway user" includes automobiles, buses, trucks, motorcycles, bicycles, farm vehicles, pedestrians, and all other modes of surface transportation motorized and un-motorized.

Leading Indicators				
Focus on Safety Training	2020		2021	
	January	Year to Date	January	Year to Date
First Responders Trained	49	49	35	35
Employee Safety Training Courses	86	86	46	46
Employees Trained	1,088	1,088	355	355
Employee Safety Training Hours	21,709	21,709	5,271	5,271
Customer and Community:	January	Year to Date	January	Year to Date
Broken Gates	7	7	7	7
MTA Police Details	45	45	88	88
Summons	216	216	248	248
Warnings	69	69	125	125
Arrests	0	0	0	0
Community Education and Outreach	7,069	7,069	2,440	2,440
Community Education and Outreach via Social Media			118,415	118,415
		Completed	Total	% Complete
Cameras on Rolling Stock	M7		826	99
	C3 Cab		23	100
	C3 Trailer		111	100
	DE/DM		43	96

Safety Report January 2021

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Performance Indicator				
Performance Indicator	12-Month Average			
	February 2018 - January 2019	February 2019 - January 2020	February 2020 - January 2021	
Customer Collisions Rate per Million Vehicles	6.51	6.31	3.95	
Customer Injury Collisions Rate per Million Vehicles	0.99	0.92	0.65	
Employee Accident Reports	272	200	147	
Employee Lost Time Injuries Rate per 200,000 Hours Worked	8.4	6.2	5.6	
Construction Injuries per 200,000 Hours Worked	1.59	2.20	2.37	
Leading Indicators				
Roadway Safety	2020		2021	
	January	Year End	January	Year to Date
Workforce Development (# of Participants)	0	270	0	0
Fleet Preventative Maintenance Insp.	153	1463	127	127
Safety Taskforce Inspections	0	0	0	0
Construction Safety	January	Year End	January	Year to Date
Construction Safety Inspections	126	1621	57	57
Fire Safety	January	Year End	January	Year to Date
Fire Code Audits Completed	0	14	0	0
FDNY Liaison Visits	0	12	0	0

* Safety Manager evaluations at each B&T facility supersedes task force inspections due to COVID 19.

Definitions:

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Monthly Operations Report January 2021

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Performance Indicators	12-Month Average		
	Feb 18 - Jan 19	Feb 19 - Jan 20	Feb 20 - Jan 21
Subways			
Subway Customer Accidents per Million Customers ¹	2.98	2.95	4.36
Subway Collisions ²			
Total	1	1	3
Mainline	0	0	0
Yard	1	1	3
Subway Derailments ²			
Total	3	6	9
Mainline	0	1	5
Yard	3	5	4
Subway Fires ²	839	720	905
Buses			
Bus Collisions Per Million Miles Regional	53.50	54.25	40.13
Bus Collision Injuries Per Million Miles Regional	6.01	6.31	4.46
Bus Customer Accidents Per Million Customers ¹ Regional*	1.36	1.47	1.74
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	3.82	4.28	5.16

¹ 12-month Average data from January through December.

² 12-month figures shown are totals rather than averages.

* = Due to the implementation of rear door boarding and suspension of fare collection to protect frontline employees from the spread of COVID-19, AFC (MetroCard and OMNY) was not used from March 23, 2020, to August 31, 2020, to determine ridership. During this time, ridership was estimated using Automated Passenger Counter (APC) data.

Leading Indicators				
Subways	January	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	32	32	340	9.4%
Joint Track Safety Audits -- Compliance Rate	99.8%	99.8%	100.0%	99.8%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	780	780	18,480	4.2%
Friction Pad Installation	1,541	1,541	22,000	7.0%
Buses	January	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Turn Warning System	3	3	780	0.4%
Vision Zero Employee Training	502	502	5,800	8.7%

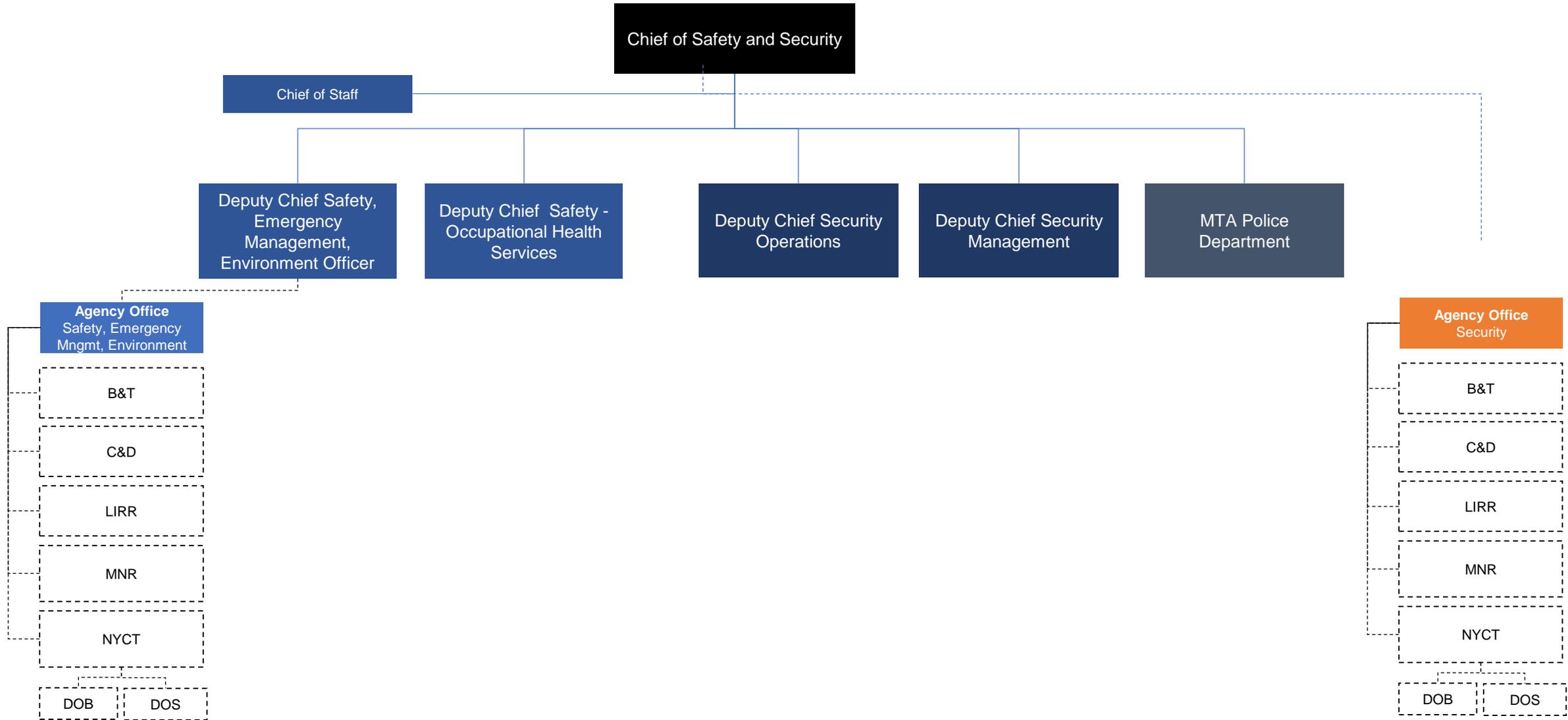
Metropolitan Transportation Authority

Transformation Safety and Security Office Organization



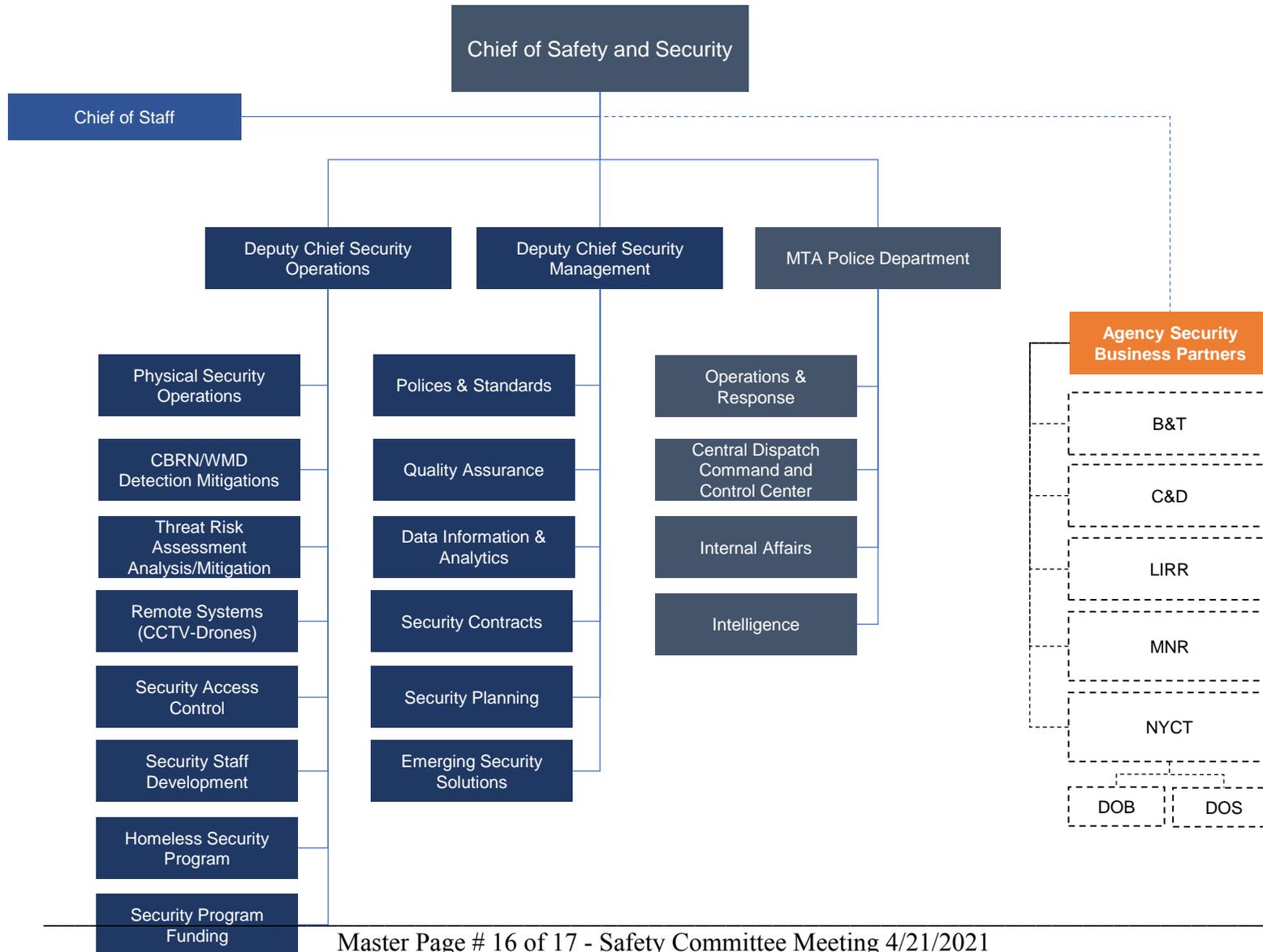
Safety, Health, & Environment and Security

Legend
 - . - . Residing at the agency



Security

Legend
 - · - · Residing at the agency



Safety, Health, Environment & Emergency Management

Legend
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