

REGIONAL SAFETY PERFORMANCE MEASURE 100K - VRM

Modes of Transit Service	Measure 1a- Major Events	Measure 1b -Major Event Rate	Measure 1.1 - Collision Rate (new)	Measure 1.1.1 -Pedestrian Collision Rate (new)	Measure 1.1.2 -Vehicular Collision Rate (new)	Measure 2a - Fatalities	Measure 2b- Fatality Rate
FIXED ROUTE BUS	≤4	<1	<4	<1	<3	0	0 %
NON- FIXED ROUTE BUS	≤2	≤1	≤1	≤2	≤1	0	0%

Modes of Transit Service	Measure 2.1 - Transit Worker Fatality Rate (new)	Measure 3a- Injuries	Measure 3b - Injury Rate	Measure 3.1- Transit Worker Injury Rate	Measure 4a- Assaults on Transit Workers (new)	Measure 4b - Rate of Assaults on Transit Workers	Measure 5-System Reliability
FIXED ROUTE BUS	0	2	<1	<1	0	0	Increase by 2%
NON FIXED ROUTE BUS	0	≤2	0%	0%	(K) - 0 (T) -0 (B) -0 (I) - 0 (S) -0 (H) -0 (C) -0 (P) -0 0	0	Increase by 2%

Under the new Bipartisan Infrastructure Law requirements, the Safety Committee must establish these targets using a 3-year rolling average of the data the agency submits to the NTD.

4d – Physical Assault

- Kicking (K)
- Biting (B)
- Spitting on Transit Worker (S)
- Deliberate coughing on Transit Worker (C)

Safety Performance Measures for Safety Risk Reduction Programs

Modes of Transit Service	Measure - Major Events	Measure - Major Event Rate	Measure Collisions	Measure Collision Rate	Measure Injuries	Measure Injury Rate	Measure Assaults on Transit Workers	Measure Rate of Assaults on Transit
FIXED ROUTE BUS (Under Development)	0	0%	0	0	0	0	0	0

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4d – Physical Assault

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4d1- Non -Physical Assault

- Threats (T)
- Intimidation (I)
- Harassment (H)
- Physical Assault attempt (P)

REGIONAL SAFETY PERFORMANCE MEASURE (10m VRM)

Modes of Transit Service	Measure 1a- Major Events	Measure 1b - Major Event Rate	Measure 1.1 - Collision Rate (new)	Measure 1.1.1 - Pedestrian Collision Rate (new)	Measure 1.1.2 - Vehicular Collision Rate (new)	Measure 2a - Fatalities	Measure 2b- Fatality Rate
FIXED ROUTE BUS	1	8%	1.72%	8%	1.72%	0	0 %
NON FIXED ROUTE	0	2%	.72%	2%	.72%	0	0%

Modes of Transit Service	Measure 2.1 - Transit Worker Fatality Rate (new)	Measure 3a- Injuries	Measure 3b - Injury Rate	Measure 3.1- Transit Worker Injury Rate (new)	Measure 4a- Assaults on Transit Workers (new)	Measure 4b - Rate of Assaults on Transit Workers (new)	Measure 5- System Reliability
FIXED ROUTE BUS	0	15	1.64%	1.64%	(K) - 0 (T) -30 (B) -0 (I) - 2 (S) -1 (H) -1 (C) -0 (P) -4 38	1.27%	2% increase
NON FIXED ROUTE BUS	0	3	.64%	0%	(K) - 0 (T) -0 (B) -0 (I) - 0 (S) -0 (H) -0 (C) -0 (P) -0 0	0%	2% increase

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Safety Performance Measures for Safety Risk Reduction Programs

Modes of Transit Service	Measure 4a - Major Events	Measure 4a1 Major Event Rate	Measure 4b Collisions	Measure 4b1 Collision Rate	Measure 4c Injuries	Measure 4c1 Injury Rate	Measure 4d Assaults on Transit Workers	Measure 4d1 Rate of Assaults on Transit
FIXED ROUTE BUS	0	0%	60	1.72%	15	1.64%	(K) - 0 (T) - 30 (B) - 0 (I) - 2 (S) - 1 (H) - 1 (C) - 0 (P) - 4 38	1.27%

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4d – Physical Assault

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- Physical Assault attempt (P)

Agency Targets and Goals

- Major Events: Total number of safety and security major events as defined by NTD and rate per total vehicle revenue miles (VRM) by mode.
- Pedestrian Collisions: Based on collisions "with a person" as defined by NTD and rate per total vehicle revenue miles (VRM) by mode.
- Vehicular Collisions: Based on collisions "with a motor vehicle" as defined by NTD and rate per total vehicle revenue miles (VRM) by mode.
- Fatalities: Total number of fatalities reported to NTD and rate per total vehicle revenue miles (VRM) by mode.
- Transit Worker Fatality: Total number of "Transit Employee/Contractor", "Transit Vehicle Operator" and "Other Transit Staff" fatalities reported to NTD and rate per total vehicle revenue miles (VRM) by mode.
- Injuries: Total number of injuries reported to NTD and rate per total VRM by mode.
- Transit Worker Injury: Total number of "Transit Employee/Contractor", "Transit Vehicle Operator" and "Other Transit Staff" injuries reported to NTD and rate per total vehicle revenue miles (VRM) by mode.
- Transit Worker Assault: Total number of Transit Worker assaults reported to NTD and rate per total vehicle revenue miles (VRM) by mode.
- Safety Events: Total number of safety events reported to NTD and rate per total VRM by mode.
- System Reliability: Mean distance between major mechanical failures by mode.

GoCary. Safety Performance Targets

General Safety Performance Targets								
Specify performance targets based on the safety performance measures established under the National Public Transportation Safety Plan.								
Mode of Transit Service	Major	Major Events Rate*	Collision	Pedestrian Collision Rate*	Vehicular Collision	Fatalities	Fatalities Rate*	Transit Worker Fatalities Rate*
Fixed	0	0	0	0	0	0	0	0
Route Bus	0	0	0	0	0	0	0	0
Mode of Transit	Injuries	Injuries Rate*	Transit Worker	Assaults on Transit	Assaults on Transit Workers Rate*	Safety Events	Safety Events	System Reliability
Fixed Route	3	0.5	0	0	0	7	1.18	20,000
Bus Demand	1	0.2	0	0	0	1	0.2	60,000

*Per 100k Vehicle Revenue Miles

Go Triangle Safety Performance Measures

Page 1 - SPM Category (MotorBus) MBDO	3-Year Average (CY 2022-2024)	Safety Performance Targets CY 2026
Total Number of Fatalities	0.00	0
Fatality Rate per 100,000 VRM	0.00	0
Total Number of Major Events	3	≤4
Major Events per 100,000 VRM	0.05	≤1
Total Number of Collisions	3	≤4
Collision Rate per 100,000 VRM	0.05	≤1
Total Number of <u>Injuries</u>	2	≤3
Injury Rate per 100,000 VRM	0.03	≤1
Total Number of Assaults on Transit Workers	0.00	≤2
Rate of Assaults on Transit Workers	0.00	≤1
Total Number of <u>Mechanical System Failures</u>	34	30.6
<u>Annual VRM</u>	6,367,751	
<u>Means Between Mechanical Failure</u>	192,355	211,590

Go Triangle Safety Performance Measures

Page 2 -SPM Category (Paratransit) DRDO	3-Year Average (CY 2022-2024)	SPT CY 2026
Total Number of <u>Fatalities</u>	0	0
Fatality Rate per 100,000 VRM	0.00	0
Total Number of Major Events	0	≤2
Major Events per 100,000 VRM	0.00	≤1
Total Number of Collisions	0	≤2
Collision Rate per 100,000 VRM	0.00	≤1
Total Number of <u>Injuries</u>	0	0
Injury Rate per 100,000 VRM	0.00	0
Assaults on Transit Workers	0	0
Rate of Assaults on Transit Workers	0.00	0
Total Number of <u>Mechanical System Failures</u>	0	0
<u>Annual VRM</u>	448,272	
<u>Means Between Mechanical Failure</u>	0.00	0

Go Triangle Safety Performance Measures

Page 3 - SPM Category (Vanpool) VPPT	3-Year Average (CY 2022-2024)	SPT CY 2026
Total Number of <u>Fatalities</u>	0.00	0
Fatality Rate per 100,000 VRM	0.00	0
Total Number of Major Events	0	0
Major Events per 100,000 VRM	0.00	0
Total Number of Collisions	0	0
Collision.Rate.per.766?666.VRM.	0.00	0
Total Number of <u>Injuries</u>	0	0
Injury Rate per 100,000 VRM	0.00	0
Total Number of <u>Mechanical System Failures</u>	0	0
<u>Annual VRM</u>	363,783	
<u>Means Between Mechanical Failure</u>	0	0

3 Year Safety Performance Actuals			
Safety Performance Measure	FY24Actual	FY23 Actual	FY22Actual
Major Events	1	2	0
Major Event Rate	.00000057/VRM	.0000011/VRM	0
Collision Rate	.0000097/VRM	.0000061/VRM	.0000048/VRM
Total Collisions	17	11	8
Pedestrian Collision Rate	0	0	0
Pedestrian Collisions	0	0	0
Vehicular Collision Rate	.0000097/VRM	.0000061/VRM	.0000048/VRM
Vehicular Collisions	17	11	8
Fatalities	0	0	0
Fatality Rate	0	0	0
Transit Worker Fatality Rate	0	0	0
Injuries	0	2	0
Injury Rate	0	.0000011/VRM	0
Transit Worker Injury Rate	0	0	0
Assaults on Transit Workers	0	0	0
Rate of Assaults on Transit Workers	0	0	0
Major Mechanical Failures	29	21	14
System Reliability	1/60,504 VRM	1/85,673 VRM	1/117,722 VRM
Vehicle Revenue Miles (VRM)	1,754,631	1,799,136	1,648,111

FY25 Safety Performance Targets						
Major Events	Major Event Rate	Collision Rate	Pedestrian Collision Rate	Vehicular Collision Rate	Fatalities	Fatality Rate
1	.00000056NRM	.0000069/VRM	0	.0000069NRM	0	0
Transit Worker Fatality Rate	Injuries	Injury Rate	Transit Worker Injury Rate	Assaults on Transit Workers	Rate of Assaults on Transit Workers	System Reliability
0	2	.0000011/VRM	0	0	0	1/87,966 VRM

SAFETY PERFORMANCE MEASURE

Modes of Transit Service	Measure 3a - Major Events	Measure 3a1 - Major Event Rate	Measure 3a2- Collision Rate (new)	Measure 3a3 - Pedestrian Collision Rate (new)	Measure 3a4 -Vehicular Collision Rate (new)	Measure 3b1- Fatalities	Measure 3b2- Fatality Rate
FIXED ROUTE BUS	0	8%	1.72%	8%	1.72%	0	0%

Modes of Transit Service	Measure 2.1 - Transit Worker Fatality Rate	Measure 3c- Injuries	Measure 3b1 - Injury Rate	Measure 3c2- Transit Worker Injury Rate (new)	Measure 4d -Assaults on Transit Workers (new)	Measure 4d1 - Rate of Assaults on Transit Workers (new)	Measure 3e- System Reliability
FIXED ROUTE BUS	0	15	1.64%	1.64%	(K) -0 (T) -30 (B)-0 (I) - 2 (S) -1 (H) -1 (C) -0 (P) -4 38	1.27%	100%

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4d - Physical Assault

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4d1- Non -Physical Assault

- Threats (T)
- Intimidation (I)
- Harassment (H)
- Physical Assault attempt (P)

Safety Performance Measures for Safety Risk Reduction Programs

Modes of Transit Service	Measure 4a - Major Events	Measure 4a1 Major Event Rate	Measure 4b Collisions	Measure 4b1 Collision Rate	Measure 4c Injuries	Measure 4c1 Injury Rate	Measure 4d Assaults on Transit Workers	Measure 4d1 Rate of Assaults on Transit Workers
FIXED ROUTE SERVICE	0	0%	60	1.72%	15	1.64%	(K) - 0 (T) -30 (B)-0 (I)- 2 (S) -1 (H) -1 (C) -0 (P)-4 38	1.27%

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SAFETY PERFORMANCE MEASURE

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NON FIXED BUS	0	2%	.72%	2%	.72%	0	0 %

Modes of Transit Service	Measure 2.1 - Transit Worker Fatality Rate (new)	Measure 3c- Injuries	Measure 3 b1 - Injury Rate	Measure 3 c2- Transit Worker Injury Rate (new)	Measure 4d - Assaults on Transit Workers (new)	Measure 4d1 - Rate of Assaults on Transit Workers (new)	Measure 3e- System Reliability
NON FIXED BUS	0	3	.64%	.64%	(K) - 0 (T) - 0 (B) - 0 (I) - 0 (S) - 0 (H) - 0 (C) - 0 (P) - 0 0	0%	100%

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ADA PARATRANSIT SERVICE	0	0%	15	.72 %	15	.64%	(K) - 0 (T) - 0 (B) - 0 (I) - 0 (S) - 0 (H) - 0 (C) - 0 (P) - 0 0	.0%

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