Virginia DRPT SSO

SMS Roundtable:
Safety Data & Information Collection

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May 8, 2025

DRPT
VIRGINIA DEPARTMENT OF RAIL AND PUBLIC TRANSPORTATION

Requirements for Collection & Transmission to SSO

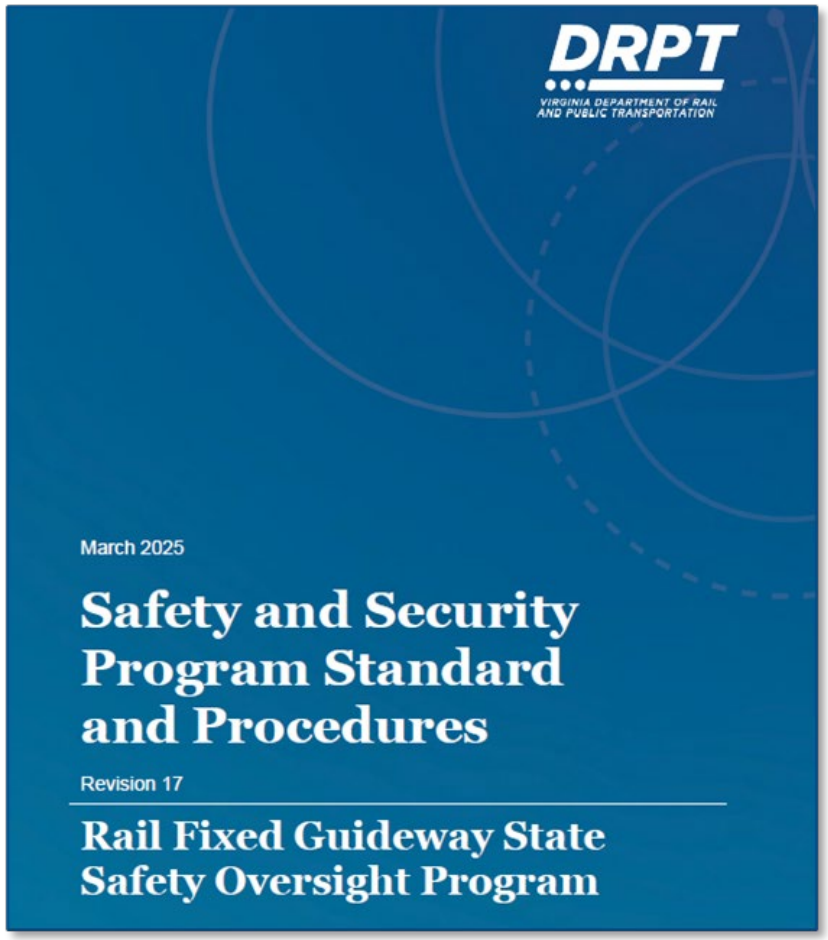
SSPS § 1.9 – DRPT Communications with RTA

SSPS § 5.1 – DRPT SSO Triennial Audits

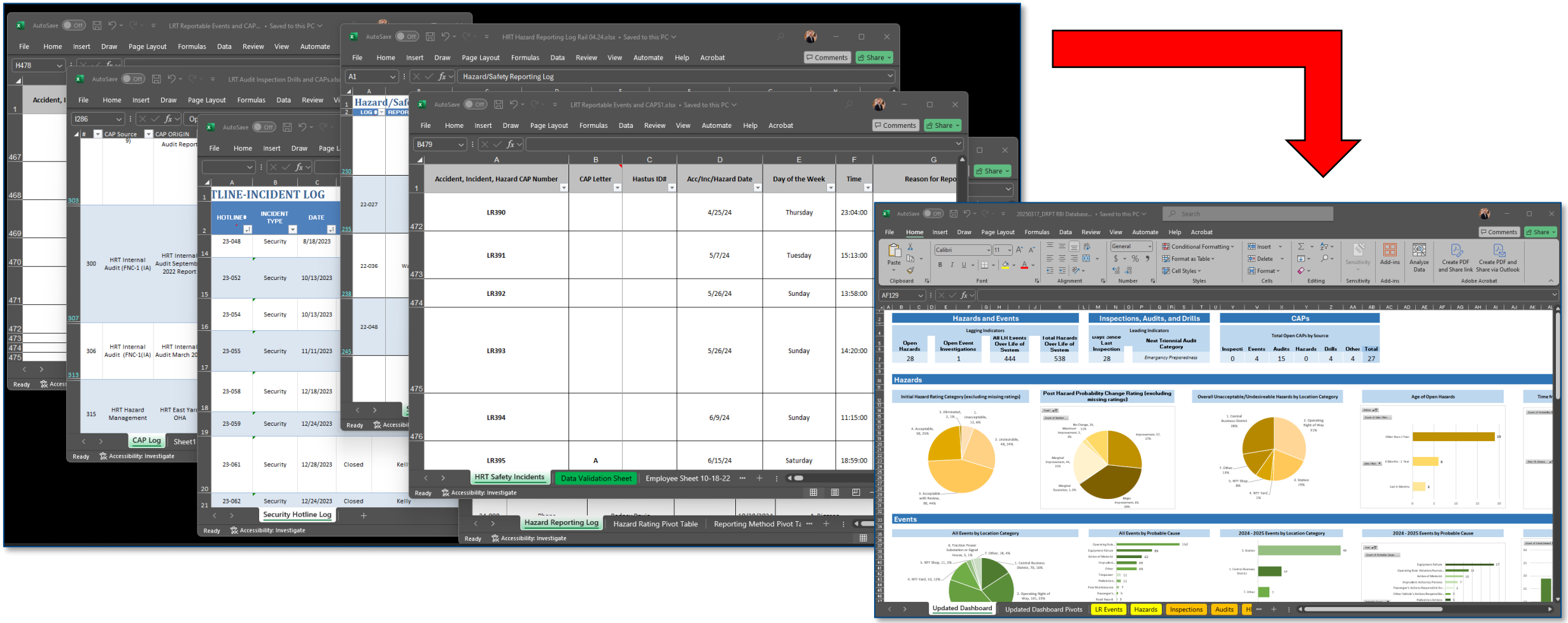
SSPS § 5.2 – Risk Based Inspections (RBI)

SSPS § 8.4 – Monitoring & Analyzing

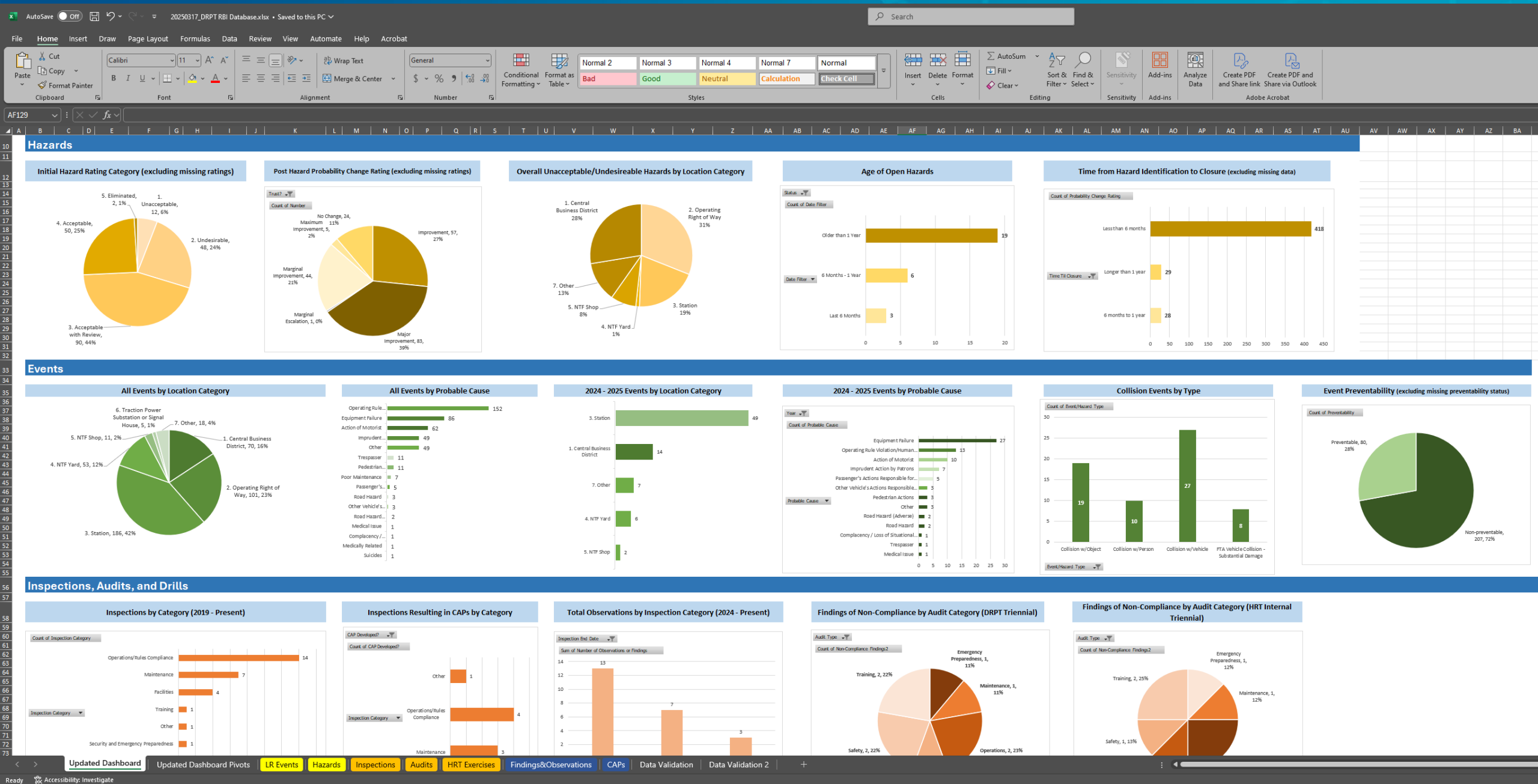
SSPS § 10 – Safety Risk Mitigation



What Data do you Require RTAs to Provide



DRPT SSO Database



DRPT SSO Database

Hazards and Events

Lagging Indicators

Open Hazards	Open Event Investigations	All LR Events Over Life of System	Total Hazards Over Life of System
28	1	444	538

Inspections, Audits, and Drills

Leading Indicators

Days Since Last Inspection	Next Triennial Audit Category
14	*Emergency Preparedness*

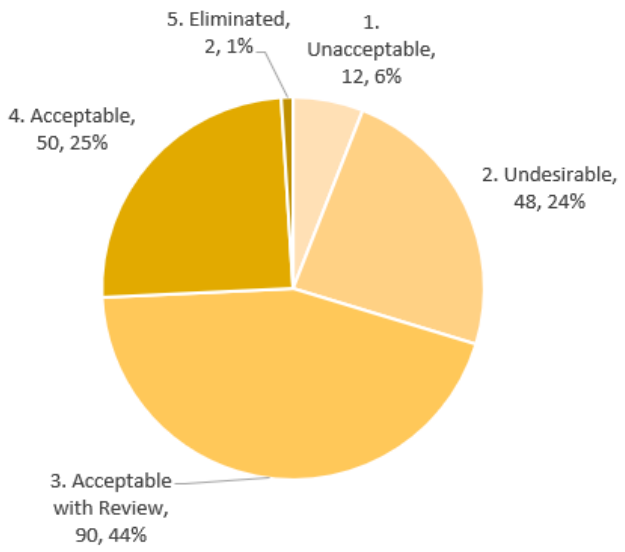
CAPs

Total Open CAPs by Source

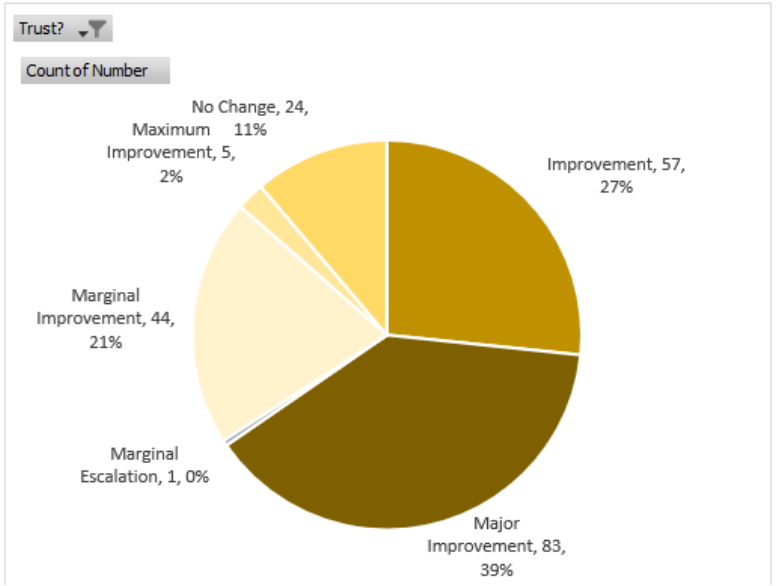
Inspections	Events	Audits	Hazards	Drills	Other	Total
0	4	15	0	4	4	27

Hazards

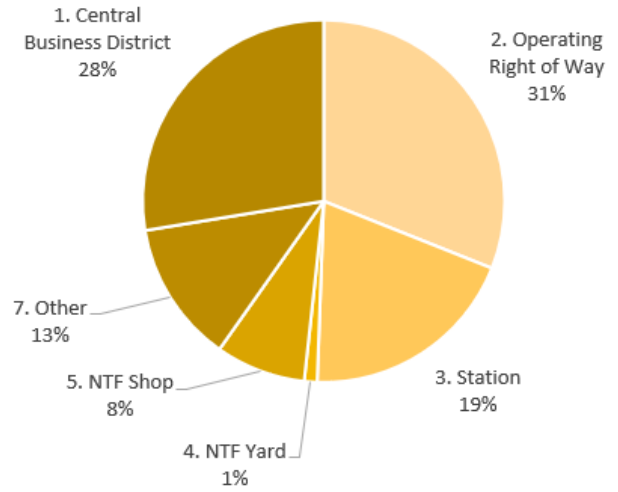
Initial Hazard Rating Category (excluding missing ratings)



Post Hazard Probability Change Rating (excluding missing ratings)



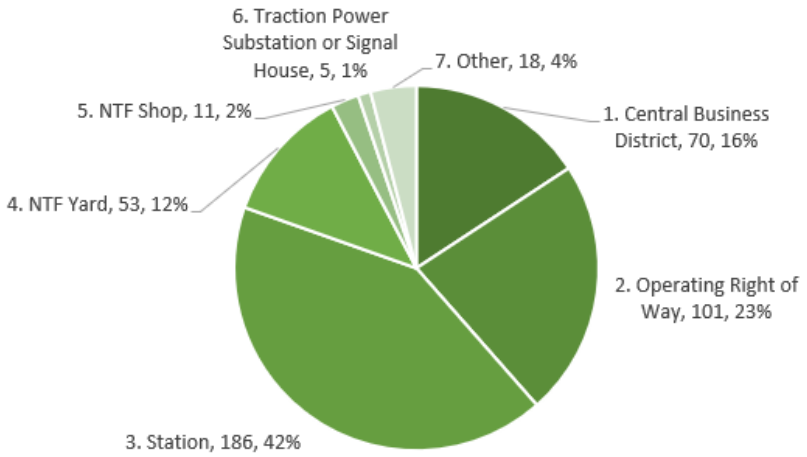
Overall Unacceptable/Undesireable Hazards by Location Category



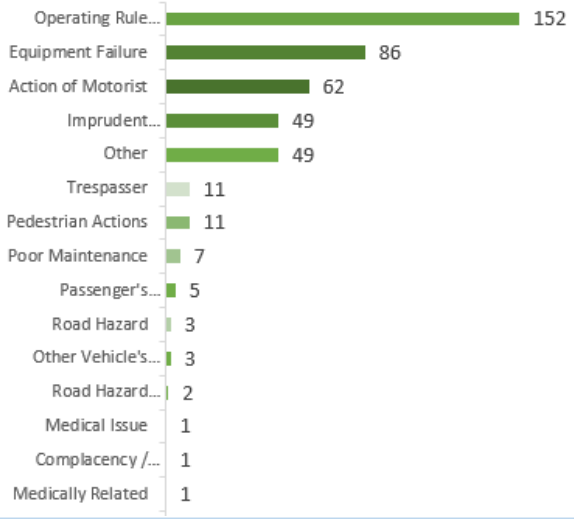
DRPT SSO Database

Events

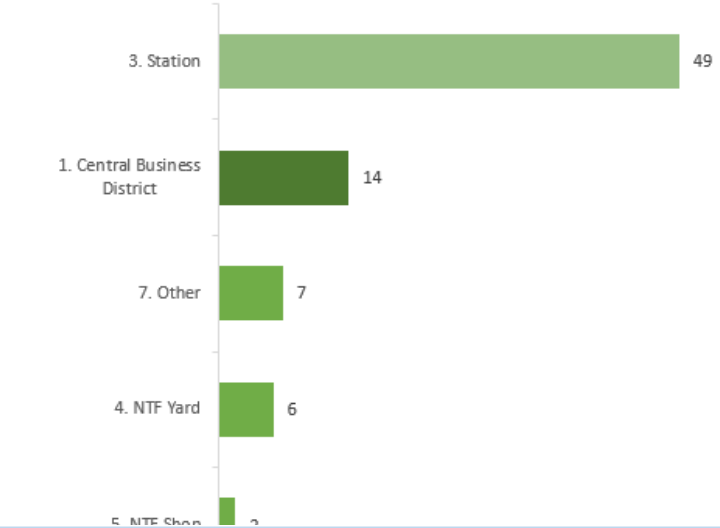
All Events by Location Category



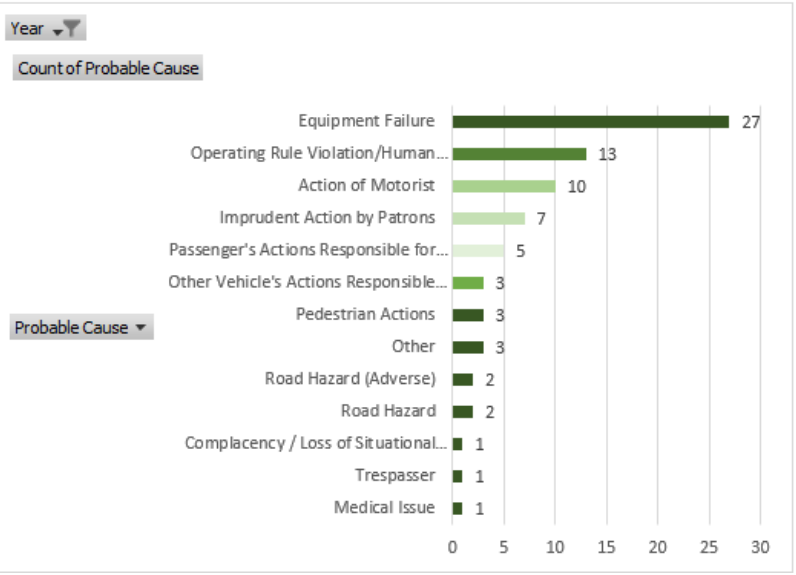
All Events by Probable Cause



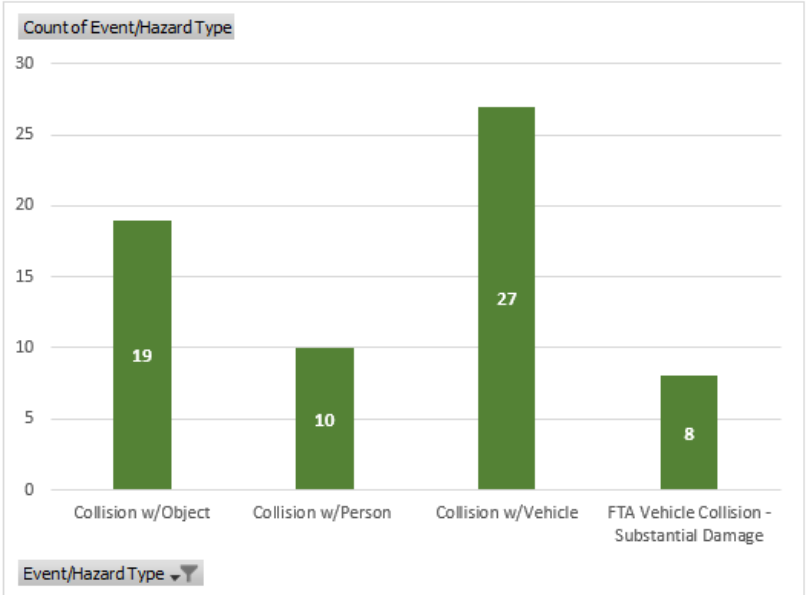
2024 - 2025 Events by Location Category



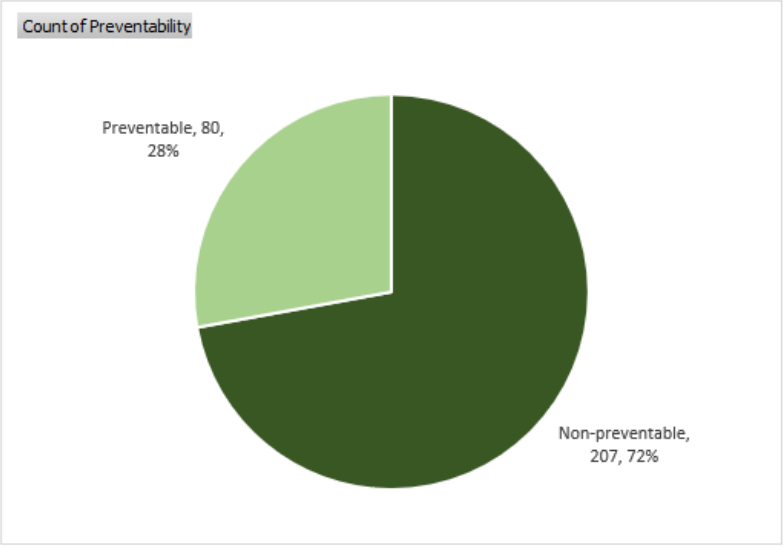
2024 - 2025 Events by Probable Cause



Collision Events by Type



Event Preventability (excluding missing preventability status)



Comments/Questions?

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