

GTE/22 WP/12

Horizontal Safety Monitoring Report

New York West FIR

CALENDAR YEAR 2021

Presented to: GTE/22

By: NAARMO

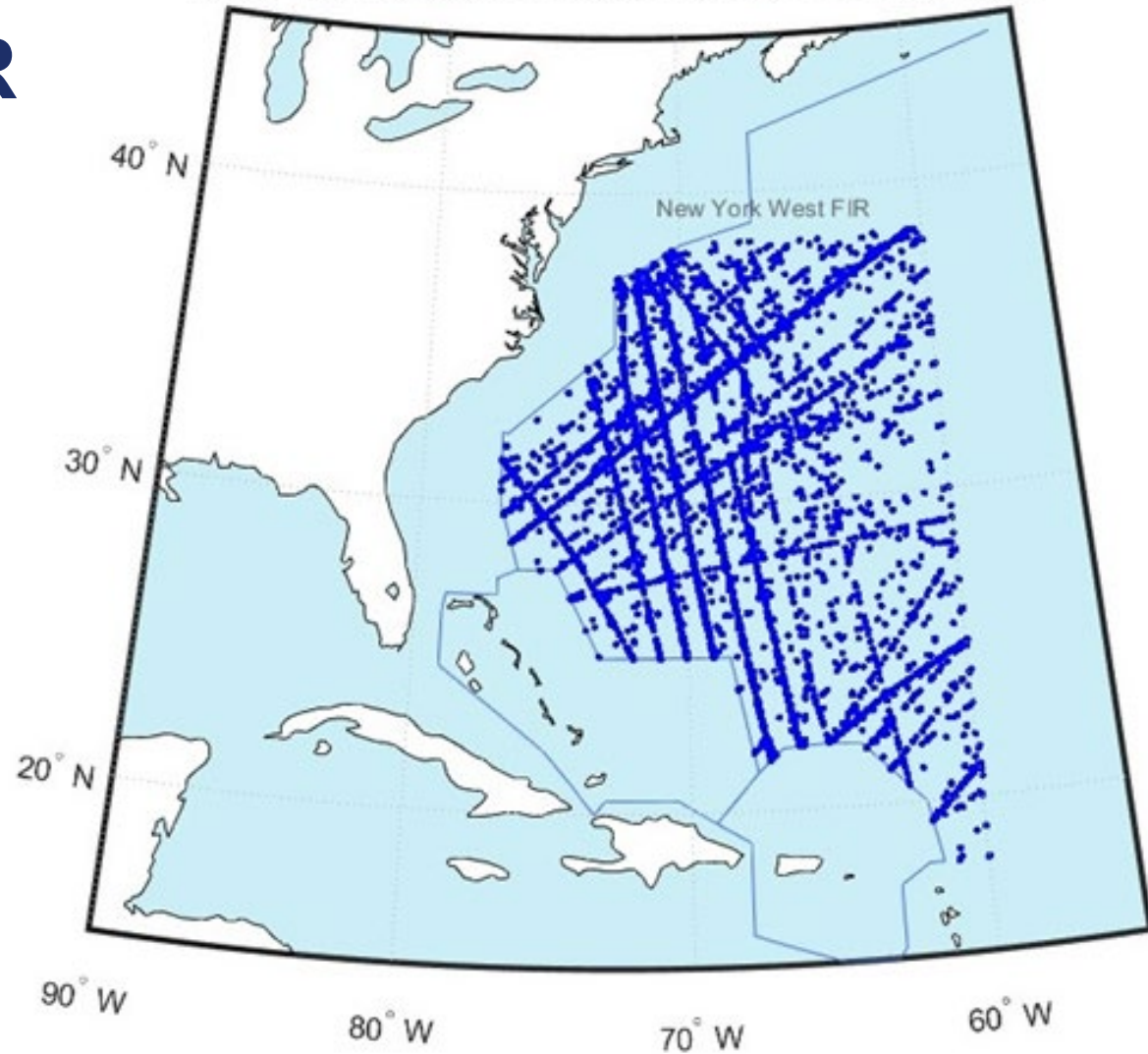
Date: 26 – 30 September 2022



**Federal Aviation
Administration**

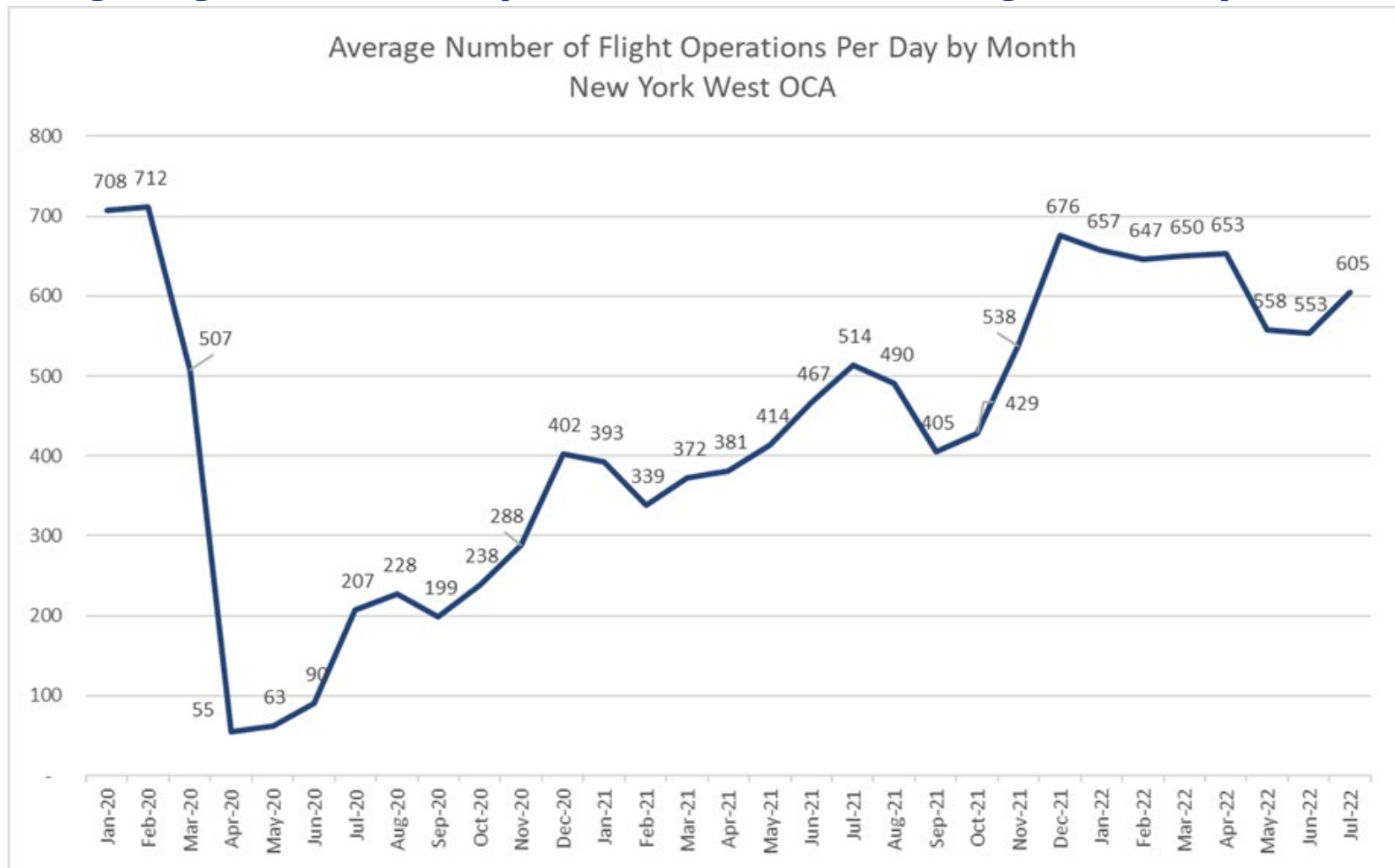
New York West FIR

New York Oceanic West Traffic - 11 Dec 2021



Federal Aviation
Administration

Average Number of Flight Operations per Day by Month (Jan 2020 – July 2022)



Available Horizontal Separation Standards in New York West

Lateral / Longitudinal	Separation Standard	Minimum PBN	Minimum PBC	Minimum PBS
Lateral	50 NM	RNP 10	-	-
Lateral	30 NM	RNP 4	RCP 240	RSP 180
Longitudinal	10 minutes	-	-	-
Longitudinal	50 NM	RNP 10	RCP 240	RSP 180
Longitudinal	30 NM	RNP 4	RCP 240	RSP 180

Eligible Lateral Separation Standard for the AC Op	Lateral Infringement Distance (LID) (NM)
23NM (30NM)	15
50NM	36



Reported LLDs & LLEs by Month – 2021

Date	LLD/LLE Count	LLD Routes Crossed	LLD Duration (min)
Jan 2021	0	0	0
Feb 2021	1	0	0
Mar 2021	0	0	0
Apr 2021	0	0	0
May 2021	0	0	0
Jun 2021	1	0	5
Jul 2021	0	0	0
Aug 2021	2	0	6
Sep 2021	0	0	0
Oct 2021	1	0	17
Nov 2021	5	0	11
Dec 2021	3	0	80
TOTAL	13	0	119

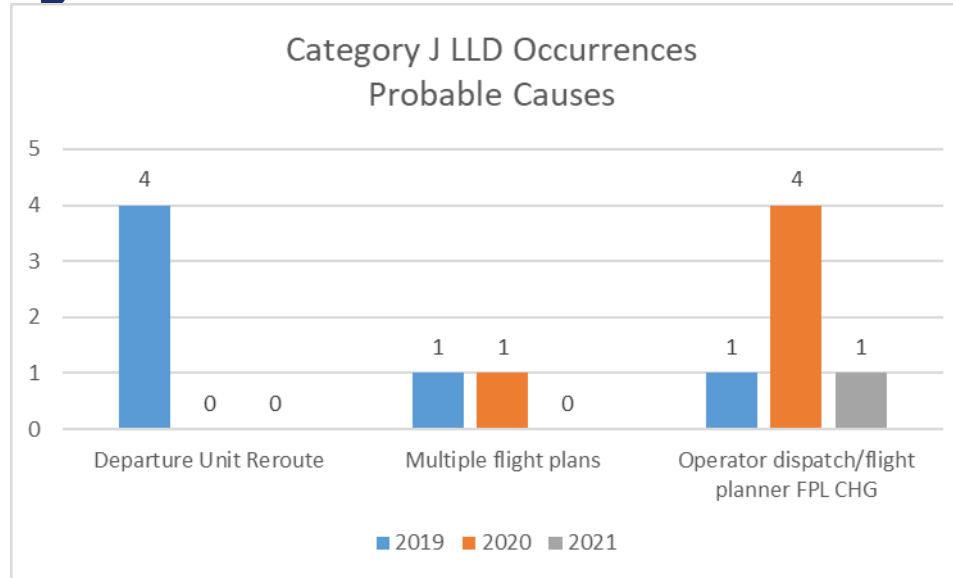


Reported LLDs & LLEs by Category - 2021

Category Code	Category Description	Number of Occurrence Reports	LLD / LLE Duration (min)	Number Routes Crossed
A	Flight crew deviate without ATC Clearance	0	0	0
B	Flight crew incorrect operation or interpretation of airborne equipment (e.g., flight plan followed rather than ATC clearance, original clearance followed instead of re-clearance etc.)	2	39	0
D	ATC system loop error	3	46	0
E	Coordination errors in the ATC-unit-to-ATC-unit transfer of control responsibility	6	28	0
G	Navigation errors due to airborne equipment failure leading to a deviation in the horizontal dimension of which notification was not received by ATC or notified too late for action	1	6	0
J	Other	1	0	0
TOTAL		13	119	0



Category J – Probable Causes



- **Filed FPL Monitoring Ad hoc Group reports to the AIDC/FPL Task Force**
 - Investigates flight plan anomalies
- **US FAA maintains a website with FPL guidance**
 - https://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/air_traffic_services/flight_plan_filing/
- **Monthly teleconference to discuss FPL issues and standards**

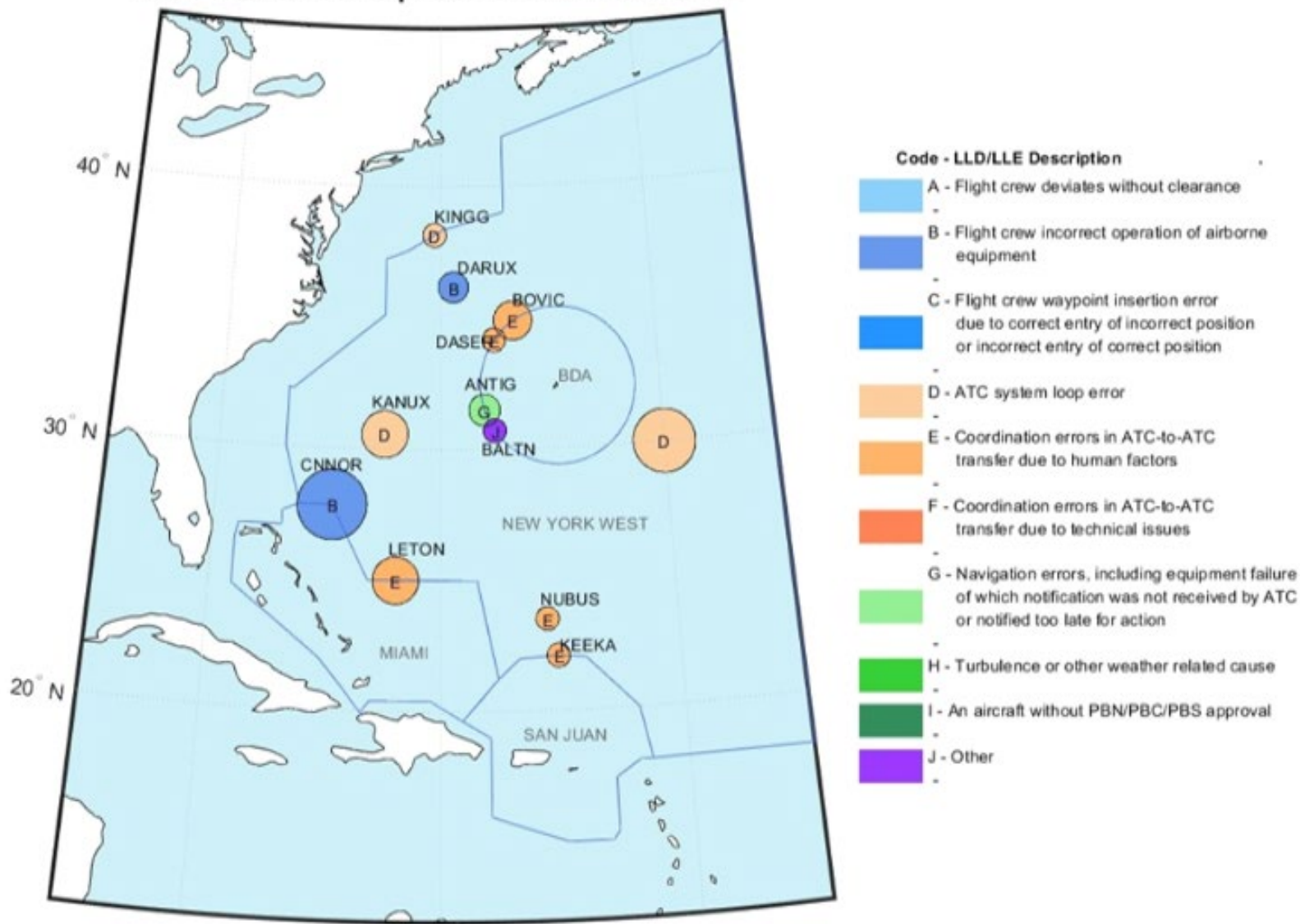


Corrective Actions

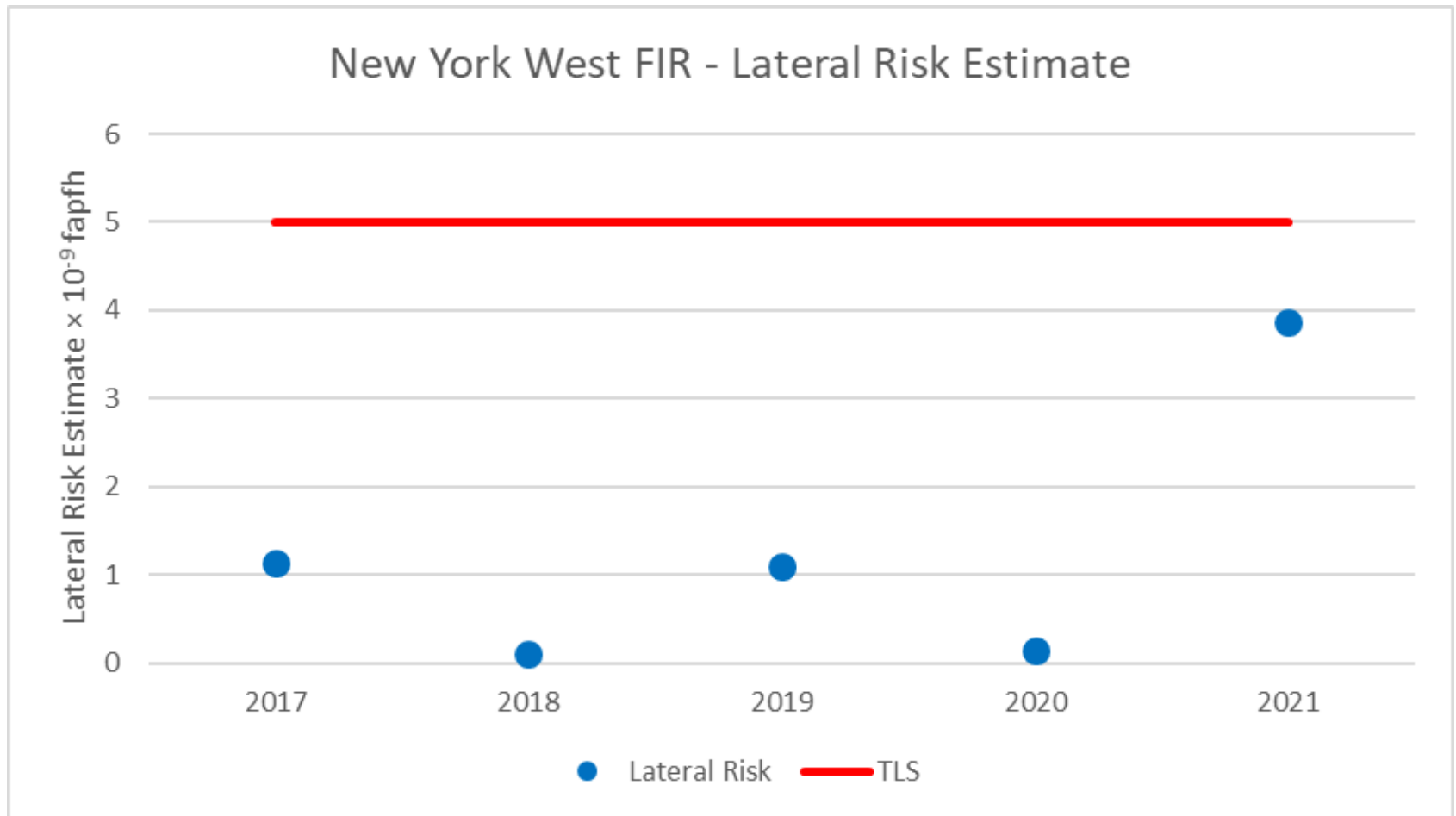
- **One category D LLD report had 29 minutes of unprotected time (also an LHD)**
 - ATC received refresher training related to the entry of route amendments
 - Software fix for the automation system. This fix will help alert ATC in identifying a potential incorrect route amendment.
- **One category D LLD report had a duration of 17 minutes**
 - As a result of this occurrence, ATC received refresher training on ALTRV/MARSA procedures



New York West Reported LLDs/LLEs - 2021



Lateral Risk Estimates



Summary

- **The lateral risk estimate meets the overall safety goal**
- **Longitudinal risk estimate methods are being developed for the distance based separation standards**

