



Fatal Crashes Involving Ford's Hands-Free BlueCruise Partial Automation System



Investigations into fatal crashes between vehicles operating in hands-free partial automation mode and stationary vehicles in San Antonio, Texas, and Philadelphia, Pennsylvania.

AGENDA (Subject to change; breaks will be announced)

- I. **Opening Statement** Chairwoman Jennifer Homendy

- II. **Safety Briefing Video**

- III. **Staff Introductions** Brian Curtis

- IV. **Staff Presentations**
 - Investigative overview and issue summary. Bagnard
 - Crash sequence: **HWY24FH006** (San Antonio, TX) Humm
 - Crash sequence: **HWY24FH008** (Philadelphia, PA). Squire
 - Discussion Round 1: Crash Sequence and Alcohol-Impaired Driving**
 - BlueCruise performance and driver disengagement. Becic
 - L2 implementation and ADAS integration. Becic
 - Discussion Round 2: L2 System Safety**
 - Data recording requirements and awareness of NHTSA SGO-applicable crash events Squire
 - Discussion Round 3: L2 Crash Data**
 - Discussion Round 4: Member Catch-All Questions**

- V. **Proposed Findings, Probable Causes, Recommendations, and Draft Report**

- VI. **Closing Statement** Chairwoman Jennifer Homendy

Adjourn

OFFICE OF HIGHWAY SAFETY PRESENTERS

Mark Bagnard, Chief, Investigations Division
 Ensar Becic, PhD, Vehicle Automation Investigator
 John Humm, PhD, Lead Investigator (San Antonio, TX)
 Robert Squire, Lead Investigator (Philadelphia, PA)

ACRONYMS & ABBREVIATIONS

ACC	Adaptive Cruise Control
ACM	airbag control module
ACN	automatic crash notification
ADAS	advanced driver assistance systems
AEB	automatic emergency braking
ANPRM	advance notice of proposed rulemaking
CAS	collision avoidance systems
CFR	Code of Federal Regulations
DMS	driver monitoring system
EDR	event data recorder
EU	European Union
Euro NCAP	European New Car Assessment Programme
FCW	forward collision warning
FMVSS	Federal Motor Vehicle Safety Standard
g/dL	grams per deciliter
HASS COE	Highly Automated Systems Safety Center of Excellence
Hz	hertz
I-10	Interstate 10
I-95	Interstate 95
IIHS	Insurance Institute for Highway Safety
ISA	intelligent speed assistance
L2	SAE International Level 2
msec	milliseconds
NCAP	New Car Assessment Program
ng/mL	nanograms per milliliter
NHTSA	National Highway Traffic Safety Administration
NPRM	notice of proposed rulemaking
NTSB	National Transportation Safety Board
PennDOT	Pennsylvania Department of Transportation
PSP	Pennsylvania State Police
SAPD	San Antonio Police Department
SGO	Standing General Order
SUV	sport utility vehicle
TTC	time to collision
USDOT	US Department of Transportation
VOIP	Voice Over Internet Protocol