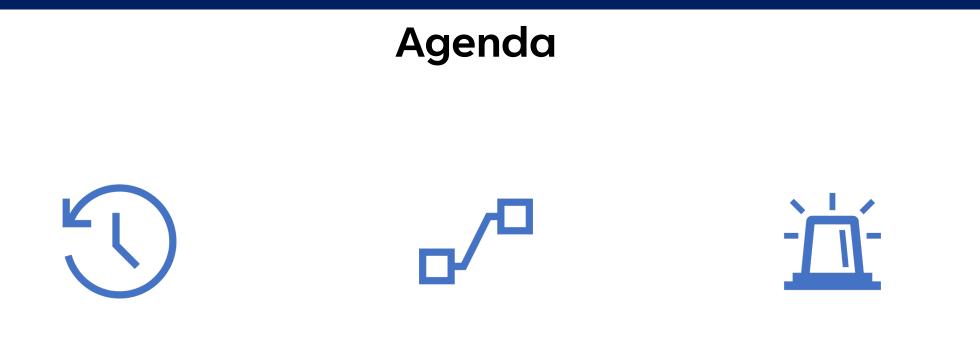
Pennsylvania Automated Vehicle Incident Response Plan

Lifesavers National Conference

March 15, 2022







Overview of the AVIRP

Communication Flow Chart Pennsylvania AV Incident Response Field Guide





Timeline Overview

2019 2020

- Winter: PennTIME AV Leadership Group and OTT identified need for AV Response Plan
- Summer: AV Framework Draft
- Spring: Communications Plan Draft
- Winter: AV Incident Response Field Guide Development
- Summer: AVIRP
 Comments Finalized and
 AV Incident Response
 Field Guide Beta Testing

2021

- Fall: AVIRP Clearance Transmittal and AV Incident Response Field Guide testing finalized
- Winter: AVIRP document under Legislative review for Publication

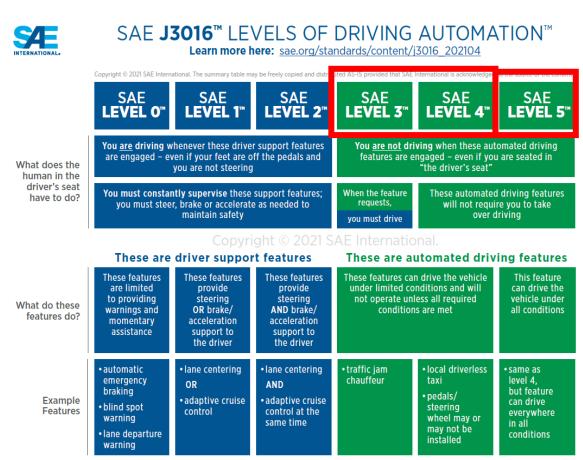
2022

 Spring/Summer: Incident Management Outreach and Training





Overview



Source: SAE International





Overview

• AVIRP Goals

- Ensure PennDOT and applicable stakeholders are aware of all reportable incidents involving an AV in Pennsylvania.
- Ensure communications are maintained to assist in appropriate response and interagency coordination efforts.
- Ensure all responders are equipped with appropriate incident response considerations to enhance safety by providing a mobile application to access while on-scene of an incident.
- Elements
 - Communication Flow Chart
 - Pennsylvania AV Incident Response Field Guide



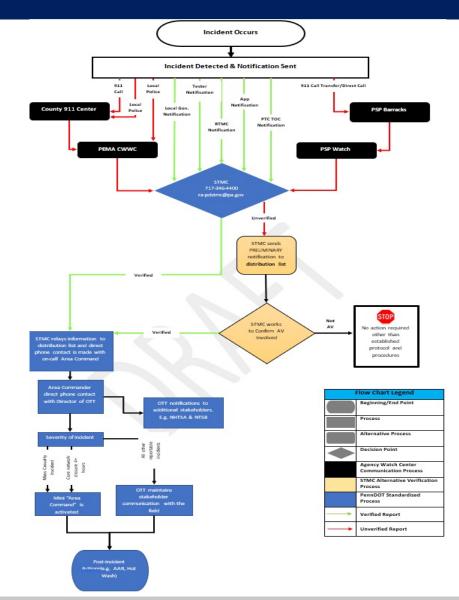


Communication Flow Chart

Outlines communication avenues from AV Incident Detection to Post-Incident Activities

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Built-in notifications for impacted stakeholders







Pennsylvania AV Incident Response Field Guide

• Field Guide Goals

- Ensure all responders are aware of appropriate incident response considerations to ensure they safely respond to an AV/PDD incident.
 - Law Enforcement
 - Fire
 - Towers
- Ensure communication is maintained to assist with response and interagency coordination efforts.
- Ensure PennDOT is aware of all reportable AV/PDD incidents.







Field Guide Components

	AVIRP-FG		Home
Tester Information			^
TESTER Automated Innovations Incorporated	TESTER EFFECTIVE DATE 2021/06/07		
address 30 North Third Street Harrisburg, PA 16787	MAILING ADDRESS		
PRINCIPAL POINT OF CONTACT - TITLE	CONTACT NUMBER	EMAIL	
EDIT TESTER INFORMATION DELETE TESTER			
Vehicle Information			
venicle information			^
All Automated PDD	Engine Type - Search	Incident	CLEAR
Automated - 123456547H	ISSUED STATE - LICENSE PLATE PA - ABR1234 ENGINE TYPE	INCIDENT CLICK BELOW TO UPLOAD REQUIRED FIELDS 3 R S B D F D	EDIT DELETE
2017 Ford Fusion	Hybrid		
TYPE - UNIQUE ID	ISSUED STATE		
2 PDD - 7867 YEAR - MAKE - MODEL	CA ENGINE TYPE	INCIDENT CLICK BELOW TO UPLOAD REQUIRED FIELDS 0 R S B 4 F 1	EDIT DELETE
2016 Volkswagen Bug	Hybrid	NOT AVAILABLE ON MOBILE APP	
TYPE - UNIQUE ID	ISSUED STATE	INCIDENT CLICK BELOW TO UPLOAD REQUIRED FIELDS	
2 PDD - 7899	CA		EDIT DELETE

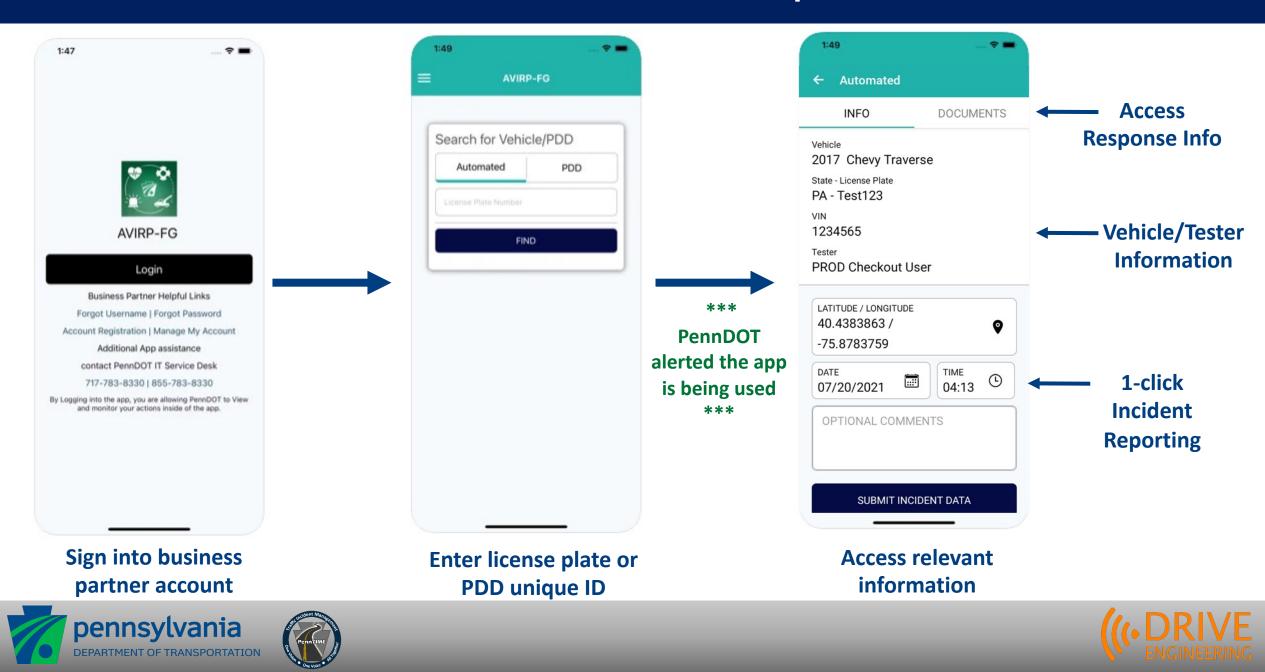
Backend Database



Mobile App

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Pennsylvania AV Incident Response Field Guide

- Incident Response Information
 - How to Secure the Vehicle
 - Location of Documentation
 - Extrication Considerations
 - Towing Considerations
 - Firefighting Considerations
 - Post-Incident Considerations

INFO	DOCUMENTS	- Inciden
Vehicle 2017 Chevy Travers State - License Plate PA - Test123 VIN 1234565 Tester PROD Checkout Use		Respons Informati
LATITUDE / LONGITUDE 40.4383863 / -75.8783759	Ŷ	
DATE 07/20/2021	TIME 04:13 (b)	
OPTIONAL COMMEN	VTS	





Thank You!

Gabby Benson, Incident Management & TMC Operations Specialist, Drive Engineering Email: gabby@driveengineering.com Office: 717.553.2930









Please evaluate this presentation using the Lifesavers Conference Mobile App

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📕 Lifesavers 2022 🌣 🗘	K Tracks	K Child Passenger Safety	K Session	
A 1 Welcome & App Tips Sent Thursday, Feb 10 5:25 PM	Browse by Day	Sun 13 Mon 14 Tue 15	CPSTs on the Front Line:	
□ □ ★ 🗭 🔶	browse by Track	Search Child Passenger Safety	Product Updates (1.5 CEUs)	
	Child Passenger Safety	10:00 am	Location: Crystal B (West Tower)	
My Schedule Exhibitors Sponson Sessions Speakers	Communicatione	CPSTs on the Front Line: Product Updates	ate: Sunday, Mar 13 10:30 AM uration: 1 hour, 30 minutes	
💵 🗢 🛃 🔞 📋	Criminal Justice/Law Enforcement	→ (★ (1.5 CEUs) 10:30 AM - 12:00 PM [©] Crystal B (West Tower)	Session Evaluation	
Attendees Social Downloads What's On Notes	Distracted Driving	1:00 pm		
Activity Feed My Favorites Conference 2022 Conference	Impaired Driving	First Responder Child Passenger Safety Technician Tools to Manage Cumulative	Child safety seats are constantly changing and CPSTs are on the front line working every day to ensure that parents and caregivers know how the	
	Occupant Protection	Critical Incident Stress	newest restraints work to protect their precious cargo. Get the latest child restraint updates	
	Pedestrian & Bicyclist Safety	Grand Hall J (East Tower)	directly from the manufacturers as they showcase the latest products and technology.	
	Safe Systems	Tell Me About It: The Latest Technology from the Car Seat Manufacturers (1.5 CEUs)	Speakers	
	Vehicle Technologies/Automated Driving	1:30 PM - 3:00 PM Crystal B (West Tower)	Moderator	
		4:00 pm	Laura Dunn MPH, CPST-I 🔰	
		"Add Me": Best Practices & Trends in the	NHTSA, Office of Occupant Protection	
	800000000000000000000000000000000000000	★ Digital Space ↓	Show more	
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