

# Platoon Operations Plan



<b>A Primary Point-of-Contact Information</b>	
First Name	Last Name
Company	
Title	
Mailing Address	
City	State
Zip Code	
Telephone	Email Address
<b>B Company Information</b>	
Company Name	USDOT Number (If Applicable)
PUC Number (If Applicable)	
Mailing Address	
City	State
Zip Code	
<b>C Route Information Per Platoon (Up to Three Different Platoon Routes)</b>	
1	Route (Including Direction of Travel):
	Date(s):
	Start Time:
	End Time:
	Planned Operating Speed:
	Number of Vehicles in Platoon:
2	Route (Including Direction of Travel):
	Date(s):
	Start Time:
	End Time:
	Planned Operating Speed:
	Number of Vehicles in Platoon:
3	Route (Including Direction of Travel):
	Date(s):
	Start Time:
	End Time:
	Planned Operating Speed:
	Number of Vehicles in Platoon:

D Vehicle and Driver Information			
	Vehicle/Driver 1	Vehicle/Driver 2	Vehicle/Driver 3
Vehicle	Make and Model:	Make and Model:	Make and Model:
	VIN:	VIN:	VIN:
	License Plate Number:	License Plate Number:	License Plate Number:
	License Plate Configuration:	License Plate Configuration:	License Plate Configuration:
	State Issued:	State Issued:	State Issued:
	USDOT Number:	USDOT Number:	USDOT Number:
	Anticipated weight of each vehicle (including any trailers and cargo):	Anticipated weight of each vehicle (including any trailers and cargo):	Anticipated weight of each vehicle (including any trailers and cargo):
	Load/trailer Types (e.g., singles or tandem), If Applicable:	Load/trailer Types (e.g., singles or tandem), If Applicable:	Load/trailer Types (e.g., singles or tandem), If Applicable:
	High-level Description of Planned Cargo:	High-level Description of Planned Cargo:	High-level Description of Planned Cargo:
	Hazardous Materials: <input type="radio"/> Yes <input type="radio"/> No	Hazardous Materials: <input type="radio"/> Yes <input type="radio"/> No	Hazardous Materials: <input type="radio"/> Yes <input type="radio"/> No
	Livestock: <input type="radio"/> Yes <input type="radio"/> No	Livestock: <input type="radio"/> Yes <input type="radio"/> No	Livestock: <input type="radio"/> Yes <input type="radio"/> No
	Oversize/Overweight/Overheight Loads: <input type="radio"/> Yes <input type="radio"/> No	Oversize/Overweight/Overheight Loads: <input type="radio"/> Yes <input type="radio"/> No	Oversize/Overweight/Overheight Loads: <input type="radio"/> Yes <input type="radio"/> No
	Vehicles Carrying Fluids: <input type="radio"/> Yes <input type="radio"/> No	Vehicles Carrying Fluids: <input type="radio"/> Yes <input type="radio"/> No	Vehicles Carrying Fluids: <input type="radio"/> Yes <input type="radio"/> No
	Vehicles Carrying Pipes, Lumber, or Similar Loose Loads: <input type="radio"/> Yes <input type="radio"/> No	Vehicles Carrying Pipes, Lumber, or Similar Loose Loads: <input type="radio"/> Yes <input type="radio"/> No	Vehicles Carrying Pipes, Lumber, or Similar Loose Loads: <input type="radio"/> Yes <input type="radio"/> No
	Brake Types (e.g., disc or drum):	Brake Types (e.g., disc or drum):	Brake Types (e.g., disc or drum):
	Lead Vehicle Operation: <input type="radio"/> Lead <input type="radio"/> Non-Lead <input type="radio"/> Both	Lead Vehicle Operation: <input type="radio"/> Lead <input type="radio"/> Non-Lead <input type="radio"/> Both	Lead Vehicle Operation: <input type="radio"/> Lead <input type="radio"/> Non-Lead <input type="radio"/> Both
Driver	Legal Name (First, Middle, Last):	Legal Name (First, Middle, Last):	Legal Name (First, Middle, Last):
	CDL Number:	CDL Number:	CDL Number:
	CDL State Issued:	CDL State Issued:	CDL State Issued:
	Date Training Completed:	Date Training Completed:	Date Training Completed:

F	<b>Platooning Information</b>
	Identify Order of Lead and Non-Lead Vehicles:
	Provider of the DAVP Technology:
	<p><b>Operational Design Domain (ODD)</b>  Trafficway Types:</p> <p>Geometric Constraints, If Applicable:</p> <p>Speed Constraints, If Applicable:</p> <p>Environmental Constraints, If Applicable:</p> <p>Traffic Conditions, If Applicable:</p> <p>Allowances and Process to Allow Vehicles to Merge into a Platoon:</p> <p>Other Domain Constraints:</p>
	Platooning Formation Method:
	Headway/Following Distance Between Vehicles:
	Describe How the Platoon Disengages:
	Describe Platoon Fallback:

G	<b>Applicant Acknowledgements</b>
	<input type="checkbox"/> a) The Platoon Operator has met the requirements of <b>all applicable</b> Pennsylvania laws governing platooning operations. <input type="checkbox"/> b) The platoon will operate in compliance with <b>all applicable</b> Federal Motor Vehicle Safety Standards. <input type="checkbox"/> c) The platoon will operate in compliance with <b>all applicable</b> traffic laws and motor vehicle laws. <input type="checkbox"/> d) The Platoon Operator is in compliance with all applicable sections of the Motor Vehicle Financial Responsibility Law, Title 75 of the Pennsylvania Consolidated Statutes, Chapter 17. <input type="checkbox"/> e) The Platoon Operator has established and implemented process and procedures for inspecting, testing and maintaining sensors used in DAVP operations. <input type="checkbox"/> f) The Platoon Operator has a process for testing, certifying, uploading and verifying software upgrades. <input type="checkbox"/> g) The Platoon Operator has implemented procedures to prevents distracted driving and driver fatigue. <input type="checkbox"/> h) The Platoon Operator established Driver Training Program and that all drivers must successfully complete before operating a DAVP system. <input type="checkbox"/> i) The Platoon Operator shall submit the Driver Training Program as part of the Operations Plans. <input type="checkbox"/> j) All ongoing platooning shall be concluded safely within the time of the date and time specified in the Platoon Operations Plan. <input type="checkbox"/> k) A copy of the Platoon Operations Plan shall be kept in each vehicle in the platoon and turned over to law enforcement upon request. <input type="checkbox"/> l) Vehicles used for platooning purposes are capable of: <ul style="list-style-type: none"> <li><input type="checkbox"/> i. Establishing, managing, and operating a safe and successful platooning operation on Pennsylvania highways;</li> <li><input type="checkbox"/> ii. Allowing reasonable access for other vehicles to afford safe movement among lanes and/or to exit or enter the highway;</li> <li><input type="checkbox"/> iii. Wirelessly exchanging information about their speed, location, and heading with other vehicles within close proximity, operating within the platoon (i.e. V2V communications);</li> <li><input type="checkbox"/> iv. Ensuring driver engagement;</li> <li><input type="checkbox"/> v. Alerting and indicating when platooning is engaged or should be disengaged;</li> <li><input type="checkbox"/> vi. Monitoring system health and detecting cybersecurity threats;</li> <li><input type="checkbox"/> vii. Alerting the driver(s) if a DAVP technology failure or cybersecurity threat is detected;</li> <li><input type="checkbox"/> viii. Allowing for manual intervention by the driver(s) through a safety override in the DAVP system or process to easily engage and disengage the DAVP technology;</li> <li><input type="checkbox"/> ix. Recording data before a collision occurs (The information shall be made available to the Department and law enforcement post-crash); and</li> <li><input type="checkbox"/> x. Complying with the testing process described in ISO 26262, if applicable.</li> </ul>
H	<b>Required Submissions</b>
	<input type="checkbox"/> <b>Driver Training Program, including:</b> <ul style="list-style-type: none"> <li>I. How the platooning system works;</li> <li>II. Platoon operations, including communication and visual indicators, and platooning system disengagement and fallback;</li> <li>III. Training includes the safety measures that are in place in case of any disengagement, regardless of the reason for disengagement;</li> <li>IV. Driver engagement including distracted driving avoidance, fatigue and wellness awareness, and drug and alcohol impairment awareness; and</li> <li>V. Continuing education requirement.</li> </ul>