

Application to Authorize Operation of Truck Travel in a Unified Manner in Maryland (Platooning)

Name of Platoon Operator (entity applying for the authorization under COMAR 11.16.05 for the operation of trucks in an electronically unified manner in conformity with Transportation Article, §21-310(f), Annotated Code of Maryland)			Federal US DOT Number	
Address of Main Office:	Street	City	State	Zip Code
Administrator or Director of Platoon Operations:	Name	Email Address	Telephone Number	
Primary Contact:	Name	Email Address	Telephone Number	
24/7 Emergency Contact:	Name	Email Address	Telephone Number	

Please note any information that is considered proprietary and confidential and exempt from disclosure under the Maryland Public Information Act, in accordance with 4-335 of the General Provisions Article. Proprietary and confidential information will be protected from disclosure.

The Platoon Operator understands and agrees to the following:

General Operations:

1. No more than two trucks in one platoon at any given time.
2. The Platoon Operator, all drivers, and all trucks to be used in platooning will follow all regulations of the Federal Motor Carrier Safety Administration (FMCSA) and National Highway Transportation Safety Administration (NHTSA).
3. Platoon Operator shall be responsible to ensure that the platoon only operates as agreed in the approved Operational Plan.
4. Platoon Operator will have platooning trucks follow appropriate rules of engagement for platooning, all traffic laws, and rules of the road, and in a reasonable and prudent manner, including:
 - a. Work zones; platooning to be discontinued on approach to a work zone with all vehicles reverting to human driver control at least 500 feet prior to encountering any person, device, or vehicle in a roadway lane at a work zone. Platooning may not be re-engaged until all vehicles in the platoon are at least 500 feet beyond the last person, device, or vehicle in a roadway lane at the work zone.
 - b. No platooning with oversize/overweight loads, nor with loads of hazardous materials or loose materials.
 - c. Platooning only on controlled access highways approved as part of the Operational Plan.

5. Platooning operations are restricted to Operational Design Domain (ODD) defined by the Platoon Operator in the approved Operational Plan.
6. Platoon Operator must submit any requested changes in the Operational Design Domain or the approved Operational Plan to MDOT MVA, for the changes to be reviewed and approved.
7. Both parties reserve the right to cancel at any time.

Vehicles:

1. Vehicles used for platooning purposes are capable of:
 - a. Establishing, managing, and operating a safe and successful platooning operation on Maryland highways.
 - b. Allowing reasonable access for other vehicles to afford safe movement among lanes and/or to exit or enter the highway.
 - c. Wirelessly exchanging information about their speed, location, and heading with other vehicles within close proximity, operating within the platoon (i.e. V2V communications).
 - d. Ensuring driver engagement.
 - e. Alerting and indicating when platooning is engaged or should be disengaged.
 - f. Monitoring system health and detecting cybersecurity threats.

(continued on next page)

- g. Detecting a system failure or cybersecurity threat and responding appropriately to ensure safe operation.
 - h. Allowing for manual intervention by the driver(s) through a safety override in the platooning system or process to easily engage and disengage the platooning technology.
 - i. Recording data before a collision occurs (data and summaries of data needed to understand and communicate the cause of the crash shall be made available to the MDOT MVA and law enforcement post-crash).
 - j. Complying with the testing process described in ISO26262, if applicable.
2. Platoon Operator has established and implemented processes and procedures for inspecting, testing, and maintaining sensors used in platooning operations.
 3. Platoon Operator has a process for testing, certifying, uploading, and verifying software upgrades.
 4. Platoon Operator will only allow platooning with properly licensed and trained drivers:
 - a. Each driver must have an appropriately endorsed and valid commercial driver license, and is responsible for care and control of the vehicle they are in.
 - b. All drivers engaged in platooning operations will have successfully completed the appropriate practical training provided and/or designated by the technology developer, Original Equipment Manufacturer (OEM) or Tier 1 supplier training according to the Driver Training Plan for that specific vehicle's platooning system.

Vehicle Identification:

1. Platoon Operator will assure that a Platooning Vehicle sticker issued by MDOT MVA will be placed on each platooning vehicle in accordance with instruction.

2. Each driver must carry a copy of the approval from the MDOT MVA Administrator authorizing platooning on Maryland's roadways.

Drivers:

1. Platoon Operator will only allow platooning with properly licensed and trained drivers.
2. Each driver in platooning vehicles must have an appropriately endorsed and valid commercial driver license.
3. Each driver engaged in platooning operations must successfully complete the appropriate practical training provided and/or designated by the technology developer, Original Equipment Manufacturer (OEM) or Tier 1 supplier, as identified in the Driver Training Plan for that specific vehicle's platooning system.
4. The driver is responsible for care and control of the vehicle they are in.

Liability

1. Platoon Operator must have liability and insurance coverage, to include minimal levels of insurance as stated in the Title 49, Part 387, Code of Federal Regulations.

Reporting

1. Platoon Operator must report to MDOT MVA (email to CAVMaryland@mdot.maryland.gov) by close of business the next business day following any crash involving the platooning trucks, to include:
 - a. Platoon Operator information
 - b. Date, time, and location of crash
 - c. Description of events leading up to and during the incident
2. This report of platooning crashes is regardless of whether a police report is filed. Please note that Maryland Vehicle Law addresses requirements for police involvement and reporting crashes, including TR § 20-104, TR § 20-105, TR § 20-105.1.
3. Regular Reporting and renewal period as agreed and explicitly stated in the approval.

I/We hereby certify, under penalty of perjury under the laws of the State of Maryland the foregoing is true and correct. I further certify I am the authorized representative of the program for the above-named employer.

Director/Administrator Signature

Printed Name

Date