

SENATE FILE NO. SF0016

Vehicles equipped with automated driving systems.

Sponsored by: Joint Transportation, Highways & Military  
Affairs Interim Committee

A BILL

for

1 AN ACT relating to motor vehicles; providing for the  
2 regulation of vehicles equipped with an automated driving  
3 system; defining terms; authorizing fees; creating an  
4 account; creating penalties; requiring rulemaking;  
5 requiring reports; and providing for effective dates.

6

7 *Be It Enacted by the Legislature of the State of Wyoming:*

8

9 **Section 1.** W.S. 31-21-101 through 31-21-109 are  
10 created to read:

11

CHAPTER 21

12

AUTONOMOUS MOTOR VEHICLES

13

14

ARTICLE 1

15

1 VEHICLES EQUIPPED WITH AN AUTOMATED DRIVING SYSTEM

2

3 **31-21-101. Definitions.**

4

5 (a) As used in this article:

6

7 (i) "Automated driving system" or "ADS" means  
8 the hardware and software that are collectively capable of  
9 performing the entire dynamic driving task on a sustained  
10 basis, regardless of whether the system is limited to a  
11 specific operational design domain. An ADS is used  
12 specifically to describe a level 3, 4 or 5 driving  
13 automation system as the standards of driving automation  
14 are defined in the SAE J3016 standard. An ADS equipped  
15 vehicle shall not include a motor vehicle that is equipped  
16 with systems that enhance safety or provide the human  
17 driver assistance, such as collision avoidance systems,  
18 which are not capable, collectively or singularly, of  
19 driving the motor vehicle without the active control or  
20 monitoring of a human driver;

21

22 (ii) "Commercial vehicle" means as defined in  
23 W.S. 31-18-101(a)(iii), unless specified otherwise;

1

2 (iii) "Department" means the department of  
3 transportation;

4

5 (iv) "Dispatching entity" means a human who  
6 dispatches an ADS equipped vehicle in driverless operation;

7

8 (v) "Dynamic driving task" means all of the  
9 real-time operational and tactical functions required to  
10 operate a motor vehicle in on-road traffic, including any  
11 specific functions identified in department rules, and  
12 excluding strategic functions such as trip scheduling and  
13 selection of destinations and waypoints;

14

15 (vi) "Human driver" means a natural person in  
16 the vehicle with a valid class of license for the type of  
17 motor vehicle being operated who controls all or part of  
18 the dynamic driving task;

19

20 (vii) "Operate" or "operation" means the  
21 activities collectively performed by a human driver with or  
22 without support from one (1) or more SAE J3016 driving  
23 automation level 1 or 2 system features or by a dispatching

1 entity and an ADS to perform the entire dynamic driving  
2 task for a motor vehicle;

3

4 (viii) "SAE J3016" means the Taxonomy and  
5 Definitions for Terms Related to Driving Automation Systems  
6 for On-Road Motor Vehicles published by Society of  
7 Automotive Engineers International in June 2018.

8

9 **31-21-102. Operation of a vehicle equipped with an**  
10 **automated driving system; safety at railroad crossings.**

11

12 (a) A vehicle equipped with an ADS may be operated on  
13 the highways of this state provided:

14

15 (i) The ADS equipped vehicle is registered  
16 pursuant to this title;

17

18 (ii) The dispatching entity, or human driver if  
19 applicable, causes the ADS equipped vehicle to comply with  
20 all applicable traffic, motor vehicle and equipment laws  
21 and rules of this state, unless an exemption has been  
22 granted under department rules;

23

1           (iii) While in driverless operation, the ADS  
2 equipped vehicle is capable of operating in compliance with  
3 the applicable traffic and motor vehicle safety laws and  
4 rules of this state;

5

6           (iv) The ADS equipped vehicle is in compliance  
7 with all applicable safety standards, equipment  
8 requirements and performance requirements of state and  
9 federal law, unless a waiver has been granted by the  
10 relevant regulating agency;

11

12           (v) The ADS equipped vehicle is in compliance  
13 with all applicable federal motor vehicle safety standards  
14 for the vehicle's model year or has a United States  
15 department of transportation or other relevant federal  
16 agency approved exemption from specific compliance.

17

18           (b) The department may impose by rule any additional  
19 requirements necessary to ensure the safe operation of ADS  
20 equipped vehicles. Additional requirements may include  
21 rules for safely crossing railroad grade crossings. When  
22 promulgating rules that affect ADS equipped vehicle  
23 operations at railroad crossings, no exemption from

1 department rules shall be granted for a vehicle model  
2 without having performed not less than one (1) onsite  
3 diagnostic at a railroad crossing involving the department  
4 and all railroad companies that operate at the crossing.  
5 Nothing in this subsection shall supersede the requirements  
6 in W.S. 31-5-511.

7

8 (c) The department may by rule require notice from  
9 any entity demonstrating or testing new technology or  
10 operating conditions of a vehicle equipped with an ADS in  
11 the state. The information required as part of the  
12 notification process may be established by rule of the  
13 department.

14

15 **31-21-103. Valid license; requirements of dispatching**  
16 **entities and human drivers.**

17

18 (a) A dispatching entity operating a vehicle equipped  
19 with an ADS shall have a valid class of license for the  
20 type of motor vehicle being operated.

21

22 (b) Nothing in this article prohibits or restricts a  
23 human driver from operating a vehicle equipped with an ADS

1 that allows the human driver to control all or part of the  
2 dynamic driving task provided that the human driver holds  
3 the appropriate class of license for the type of motor  
4 vehicle being operated.

5

6 **31-21-104. Signage for commercial vehicles,**  
7 **registration and title of vehicles equipped with an**  
8 **automated driving system; insurance; reporting.**

9

10 (a) A commercial vehicle equipped with an ADS shall  
11 be clearly marked on the front, back and each side with  
12 appropriate signage notifying the public and law  
13 enforcement that it is operating autonomously. The markings  
14 shall include conspicuous contact information written in a  
15 size and font readable from not less than fifteen (15) feet  
16 away, to reach the dispatching entity.

17

18 (b) A vehicle equipped with an ADS shall be properly  
19 registered in accordance with W.S. 31-2-201, 31-18-201 if  
20 applicable, and department rules.

21

1           (c) A vehicle equipped with an ADS shall be properly  
2 titled in accordance with W.S. 31-2-101 and department  
3 rules.

4

5           (d) At the time of registration and annual renewal of  
6 registration of a vehicle equipped with an ADS the  
7 following shall be submitted to the county treasurer in the  
8 county where the vehicle is registered:

9

10           (i) Any update to the contact information of the  
11 dispatching entity;

12

13           (ii) Verification the motor vehicle is covered  
14 in an aggregate amount of not less than five million  
15 dollars (\$5,000,000.00) by a motor vehicle liability policy  
16 in full force and effect, or a bond on file with the  
17 department or self-insurance pursuant to W.S. 31-9-414 in  
18 the same amount, either of which satisfies the requirements  
19 of W.S. 31-2-225(e);

20

21           (iii) Verification of the uninsured motorist  
22 coverage as required by W.S. 31-10-101;

23



1           (iv) For a commercial vehicle equipped with an  
2 ADS, an annual year-end report for the previous year,  
3 submitted to the department, of the number of miles  
4 operated, safety issues encountered, any collisions, the  
5 amount of damages caused to any person or property, any  
6 injury to any human requiring medical attention and any  
7 striking of a big game animal.

8

9           **31-21-105. Requirements for commercial vehicles**  
10 **equipped with an automated driving system; prohibition of**  
11 **double, triple trailers and oversize or overweight loads.**

12

13           (a) In addition to all other requirements and fees  
14 under this article applicable to vehicles equipped with an  
15 ADS, a commercial vehicle equipped with an ADS shall:

16

17           (i) Obtain a commercial permit specific to  
18 commercial vehicles equipped with an ADS and any mandated  
19 inspections or certificates specific to commercial vehicles  
20 equipped with an ADS according to rules and fees set by the  
21 department to recover a proportionate share of the  
22 department's infrastructure and administrative expenses  
23 incurred attributable specifically to regulation of

1 commercial vehicles equipped with an ADS. Once established,  
2 the department may annually adjust the fees authorized  
3 under this paragraph not to exceed the percentage increase  
4 in the Wyoming cost-of-living index, as determined by the  
5 division of economic analysis of the department of  
6 administration and information, unless authorized by the  
7 legislature;

8  
9 (ii) Obtain an annual public safety  
10 communications system authorization and connection (WyoLink  
11 or other department approved method of communication),  
12 together with the payment of an annual fee of ten thousand  
13 dollars (\$10,000.00), that will allow any Wyoming peace  
14 officer, public safety dispatch or the department to  
15 communicate directly with the dispatching entity, or human  
16 driver if applicable, and give that dispatching entity, or  
17 human driver if applicable, real-time commands. The  
18 connection information may be coded so that only law  
19 enforcement, public safety dispatch or the department may  
20 contact the dispatching entity.

21

22 (b) A dispatching entity shall comply with all  
23 licensing, training for hazardous materials, hours of

1 service, drug testing, communication and other requirements  
2 that a Wyoming based commercial vehicle driver is required  
3 to comply with for operation in this state.

4

5 (c) No commercial vehicle equipped with an ADS in any  
6 combination of two (2) or more single vehicles or trailers  
7 and no oversize or overweight vehicles equipped with an ADS  
8 shall operate on the highways of this state.

9

10 (d) As used in this section, "commercial vehicle"  
11 means as defined in W.S. 31-18-201(a)(vii).

12

13 **31-21-106. Duties after crashes involving vehicles**  
14 **equipped with an automated driving system; vehicle**  
15 **operating data.**

16

17 (a) In the event of a crash involving a motor vehicle  
18 equipped with an ADS:

19

20 (i) The vehicle equipped with an ADS shall  
21 remain on the scene of the crash when required by W.S.  
22 31-5-1101 and 31-5-1102;

23

1           (ii) The dispatching entity, human driver if  
2 applicable, or the ADS if the vehicle has the capability,  
3 shall promptly alert law enforcement or emergency services  
4 to the crash;

5  
6           (iii) The dispatching entity or human driver if  
7 applicable shall provide all requested operating data from  
8 before and during the accident to Wyoming law enforcement  
9 and any victim or victim's representative. If the  
10 dispatching entity or human driver if applicable wishes to  
11 protect proprietary data, the dispatching entity or human  
12 driver may request that a judge in the district where the  
13 collision occurred perform an in camera inspection and rule  
14 on the redaction of proprietary data.

15

16           **31-21-107. Rulemaking; fees; autonomous vehicle**  
17 **account.**

18

19           (a) Consistent with this article and other applicable  
20 state and federal laws, the department shall promulgate  
21 rules and shall develop and provide any forms necessary to  
22 implement this article.

23

1           (b) For registration of a vehicle equipped with an  
2 ADS, in addition to the fees under W.S. 31-3-101, the  
3 department may assess an additional fee in an amount  
4 necessary to recover a proportionate share of the  
5 department's infrastructure and administrative expenses  
6 reasonably incurred attributable to regulation of motor  
7 vehicles equipped with an ADS. Once established, the  
8 department may annually adjust the fee authorized under  
9 this subsection not to exceed the percentage increase in  
10 the Wyoming cost-of-living index, as determined by the  
11 division of economic analysis of the department of  
12 administration and information, unless authorized by the  
13 legislature.

14

15           (c) All funds the department receives from the fees  
16 authorized in subsection (b) of this section and W.S.  
17 31-21-105(a) shall be deposited into the state highway  
18 fund.

19

20           **31-21-108. Penalties.**

21

22 Any person who violates any provision of this article or  
23 rule of the department pursuant to this article is guilty

1 of a misdemeanor and subject to a fine of not more than  
2 seven hundred fifty dollars (\$750.00) per day for the first  
3 occurrence and not more than one thousand dollars  
4 (\$1,000.00) per day for a subsequent offense.

5

6 **31-21-109. Annual report.**

7

8 (a) Not later than October 1 of each year, the  
9 department shall submit a report to the joint  
10 transportation, highways and military affairs interim  
11 committee. The annual report shall contain the following  
12 information for all registered vehicles equipped with an  
13 ADS to the extent that it is available and shall separately  
14 report the information for commercial vehicles equipped  
15 with an ADS:

16

17 (i) A summary of operations in Wyoming;

18

19 (ii) The total number of ADS equipped vehicles  
20 registered in Wyoming and ADS equipped commercial vehicles  
21 permitted in Wyoming;

22

1           (iii) Miles driven for the past year and  
2 projected miles driven for the next year;

3

4           (iv) Collision statistics;

5

6           (v) A brief description of all moving violations  
7 and registration, title or permit violations;

8

9           (vi) Recommendations for safety related  
10 legislation or legislation concerning other aspects of ADS  
11 equipped vehicles;

12

13           (vii) Other data necessary to summarize fairly  
14 and accurately the annual operations of ADS equipped  
15 vehicles in Wyoming.

16

17           **Section 2.** Not later than September 1, 2022, the  
18 department shall promulgate rules to administer this act.

19

1           **Section 3.**

2

3           (a) Except as provided in subsection (b) of this  
4 section, this act is effective immediately upon completion  
5 of all acts necessary for a bill to become law as provided  
6 by Article 4, Section 8 of the Wyoming Constitution.

7

8           (b) Section 1 of this act is effective September 1,  
9 2022.

10

11

(END)