

Amendment No. 1

COMMITTEE/SUBCOMMITTEE ACTION

ADOPTED _____ (Y/N)
ADOPTED AS AMENDED _____ (Y/N)
ADOPTED W/O OBJECTION _____ (Y/N)
FAILED TO ADOPT _____ (Y/N)
WITHDRAWN _____ (Y/N)
OTHER

1 Committee/Subcommittee hearing bill: Economic Affairs Committee
2 Representative Brandes offered the following:

3
4 **Amendment (with title amendment)**

5 Remove everything after the enacting clause and insert:

6 Section 1. Vehicles equipped with autonomous technology;
7 intent.-

8 (1) As used in this section, the term "autonomous
9 technology" means technology installed on a motor vehicle that
10 has the capability to drive the vehicle on which the technology
11 is installed without the active control or monitoring by a human
12 operator. The term excludes a motor vehicle enabled with active
13 safety systems or driver assistance systems, including, without
14 limitation, a system to provide electronic blind spot
15 assistance, crash avoidance, emergency braking, parking
16 assistance, adaptive cruise control, lane keep assistance, lane
17 departure warning, or traffic jam and queuing assistant, unless
18 any such system alone or in combination with other systems
19 enables the vehicle on which the technology is installed to

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20 drive without the active control or monitoring by a human
21 operator.

22 (2) It is the intent of the Legislature to encourage the
23 safe development, testing, and operation of motor vehicles with
24 autonomous technology on the public roads of the state. The
25 Legislature finds that the state does not prohibit or
26 specifically regulate the testing or operation of autonomous
27 technology in motor vehicles on public roads.

28 Section 2. Subsection (89) is added to section 316.003,
29 Florida Statutes, to read:

30 316.003 Definitions.—The following words and phrases, when
31 used in this chapter, shall have the meanings respectively
32 ascribed to them in this section, except where the context
33 otherwise requires:

34 (89) AUTONOMOUS VEHICLE.—Any vehicle equipped with
35 autonomous technology. The term "autonomous technology" means
36 technology installed on a motor vehicle that has the capability
37 to drive the vehicle on which the technology is installed
38 without the active control or monitoring by a human operator.
39 The term excludes a motor vehicle enabled with active safety
40 systems or driver assistance systems, including, without
41 limitation, a system to provide electronic blind spot
42 assistance, crash avoidance, emergency braking, parking
43 assistance, adaptive cruise control, lane keep assistance, lane
44 departure warning, or traffic jam and queuing assistant, unless
45 any such system alone or in combination with other systems
46 enables the vehicle on which the technology is installed to

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47 drive without the active control or monitoring by a human
48 operator.

49 Section 3. Section 316.85, Florida Statutes, is created to
50 read:

51 316.85 Autonomous vehicles; operation.-

52 (1) A person who possesses a valid driver license may
53 operate an autonomous vehicle in autonomous mode.

54 (2) For purposes of this chapter, unless the context
55 otherwise requires, a person shall be deemed to be the operator
56 of an autonomous vehicle operating in autonomous mode when the
57 person causes the vehicle's autonomous technology to engage,
58 regardless of whether the person is physically present in the
59 vehicle while the vehicle is operating in autonomous mode.

60 Section 4. Section 319.145, Florida Statutes, is created
61 to read:

62 319.145 Autonomous vehicles.-

63 (1) An autonomous vehicle registered in this state must
64 continue to meet federal standards and regulations for a motor
65 vehicle. The vehicle shall:

66 (a) Have a means to engage and disengage the autonomous
67 technology which is easily accessible to the operator.

68 (b) Have a means, inside the vehicle, to visually indicate
69 when the vehicle is operating in autonomous mode.

70 (c) Have a means to alert the operator of the vehicle if a
71 technology failure affecting the ability of the vehicle to
72 safely operate autonomously is detected while the vehicle is
73 operating autonomously in order to indicate to the operator to
74 take control of the vehicle.

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75 (d) Be capable of being operated in compliance with the
76 applicable traffic and motor vehicle laws of this state.

77 (2) Federal regulations promulgated by the National
78 Highway Traffic Safety Administration shall supersede this
79 section when found to be in conflict with this section.

80 Section 5. (1) Vehicles equipped with autonomous
81 technology may be operated on roads in this state by employees,
82 contractors, or other persons designated by manufacturers of
83 autonomous technology for the purpose of testing the technology.
84 For testing purposes, a human operator shall be present in the
85 autonomous vehicle such that he or she has the ability to
86 monitor the vehicle's performance and intervene, if necessary,
87 unless the vehicle is being tested or demonstrated on a closed
88 course. Prior to the start of testing in this state , the entity
89 performing the testing must submit to the Department of Highway
90 Safety and Motor Vehicles an instrument of insurance, surety
91 bond or proof of self-insurance acceptable to the department in
92 the amount of \$5 million.

93 (2) By February 12, 2014, the Department of Highway Safety
94 and Motor Vehicles shall submit a report to the President of the
95 Senate and the Speaker of the House of Representatives
96 recommending additional legislative or regulatory action that
97 may be required for the safe testing and operation of motor
98 vehicles equipped with autonomous technology.

99 Section 6. This act shall take effect July 1, 2012.

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T I T L E A M E N D M E N T

Remove the entire title and insert:

A bill to be entitled

An act relating to vehicles with autonomous technology; defining the term "autonomous technology"; providing legislative intent and findings; amending s. 316.003, F.S.; defining the terms "autonomous vehicle" and "autonomous technology" when used in provisions for traffic control; creating s. 316.85, F.S.; authorizing a person who possesses a valid driver license to operate an autonomous vehicle; specifying that the person who causes the vehicle's autonomous technology to engage is the operator; creating s. 319.145, F.S.; requiring an autonomous vehicle registered in this state to meet federal standards and regulations for a motor vehicle; specifying certain requirements for such vehicle; providing for the application of certain federal regulations; authorizing the operation of vehicles equipped with autonomous technology by certain persons for testing purposes under certain conditions; requiring an instrument of insurance, surety bond, or self-insurance prior to the testing of a vehicle; directing the department to prepare a report on the safe testing and operation of vehicles equipped with autonomous technology and submit the report to the Legislature by a certain date; providing an effective date.