

SECOND REGULAR SESSION

HOUSE BILL NO. 1416

102ND GENERAL ASSEMBLY

INTRODUCED BY REPRESENTATIVE STACY.

4116H.011

DANA RADEMAN MILLER, Chief Clerk

AN ACT

To amend chapter 1, RSMo, by adding thereto one new section relating to light detection and ranging technology.

Be it enacted by the General Assembly of the state of Missouri, as follows:

Section A. Chapter 1, RSMo, is amended by adding thereto one new section, to be known as section 1.2005, to read as follows:

1.2005. 1. The provisions of this section shall be known and may be cited as the "Light Detection and Ranging Technology Security Act of 2024".

2. For purposes of this section, the following terms mean:

(1) "Autonomous vehicles", any vehicle equipped with an automated driving system, or the hardware and software that are collectively capable of performing part or all of the dynamic driving task on a sustained basis, regardless of whether it is limited to a specific operational design domain;

(2) "Country of concern", the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro, or the Syrian Arab Republic, or any other entity deemed such by the governor in consultation with appropriate federal and state officials;

(3) "Domicile", the country in which a company is registered, where the company's affairs are primarily completed, or where the majority of ownership share is held;

(4) "LIDAR" or "light detection and ranging", a remote sensing method using the emission of laser light, often through pulsed lasers, to detect and measure the range

EXPLANATION — Matter enclosed in bold-faced brackets ~~thus~~ in the above bill is not enacted and is intended to be omitted from the law. Matter in **bold-face** type in the above bill is proposed language.

18 of surrounding objects, often for the purpose of producing real-time, high-resolution
19 three dimensional maps of the physical environment surrounding the device that applies
20 the LIDAR technology. For purposes of this section, LIDAR technology includes
21 devices that are commonly used in, but not limited to, automation and smart
22 infrastructure applications including, but not limited to, automated vehicles, drones,
23 port cranes, drawbridges, traffic signals, and security systems at airports and other
24 sensitive sites;

25 (5) "Operational design domain", operating conditions under which a given
26 autonomous vehicle or feature thereof is specifically designed to function including, but
27 not limited to, environmental, geographical, or time-of-day restrictions, and the
28 requisite presence or absence of certain traffic or roadway characteristics;

29 (6) "State critical infrastructure", includes, but is not limited to, systems and
30 assets, whether physical or virtual, so vital to Missouri or the United States that the
31 incapacity or destruction of such systems and assets would have a debilitating impact on
32 state or national security, state or national economic security, state or national public
33 health, or any combination of such matters. State critical infrastructure may be
34 publicly or privately owned and includes, but is not limited to:

- 35 (a) Gas and oil production, storage, or delivery systems;
- 36 (b) Water supply, refinement, storage, or delivery systems;
- 37 (c) Telecommunications networks;
- 38 (d) Electrical power delivery systems;
- 39 (e) Emergency services;
- 40 (f) Transportation systems and services; and
- 41 (g) Personal data or otherwise classified information storage systems, including
42 cybersecurity;

43 (7) "State infrastructure", state critical infrastructure and state transportation
44 infrastructure, as such terms are defined in this subsection;

45 (8) "State transportation infrastructure", includes, but is not limited to:

- 46 (a) Airports including, but not limited to, commercial and intermodal airports
47 and heliports, and all airport infrastructure;
- 48 (b) Roadways including, but not limited to, publicly accessible streets, roads,
49 highways, and bridges, and all roadway infrastructure including, but not limited to,
50 signage, toll booths, weight stations, and traffic signals;
- 51 (c) Railways including, but not limited to, all classes of freight rail and
52 passenger rail, and all railway infrastructure including, but not limited to, intermodal
53 rail yards and signals;

54 (d) Ports including, but not limited to, inland ports, seaports, deepwater ports,
55 inland waterways, and levees, and all port infrastructure including, but not limited to,
56 intermodal stations; and

57 (e) Public transit including, but not limited to, bus, ferry, cable car, tram, trolley,
58 and other types of publicly accessible transportation, and all public transit
59 infrastructure.

60 3. All state infrastructure located within or serving the state of Missouri shall be
61 constructed so as not to include any LIDAR equipment manufactured in or by,
62 including any equipment whose critical or necessary components are manufactured in
63 or by, a company domiciled within a country of concern or a company owned by a
64 company domiciled in a country of concern.

65 4. Before December 1, 2024, all LIDAR equipment prohibited under subsection
66 3 of this section that is in operation within or serving the state shall be removed and
67 replaced with LIDAR equipment that is not prohibited under such subsection. This
68 subsection shall not apply to infrastructure in the state that has been permanently
69 disabled.

70 5. An agency or political subdivision responsible for any covered infrastructure
71 that includes prohibited LIDAR equipment may request a reimbursement up to the cost
72 of the original purchase of prohibited LIDAR equipment from the office of
73 administration, provided the request includes purchase orders and is submitted
74 before December 1, 2024.

75 6. Notwithstanding any other provision of law, no procurement made by the
76 state or a political subdivision of the state shall include LIDAR equipment
77 manufactured in or by, including any equipment whose critical or necessary
78 components are manufactured in or by, a company domiciled within a country of
79 concern, or a company owned by a company domiciled in a country of concern. Such
80 prohibition shall include, but not be limited to, any procurements relating to the
81 operation of autonomous vehicles in the state.

82 7. Notwithstanding any other provision of law, beginning December 1, 2024, any
83 certifications, licenses, and regulatory approvals concerning the approval, usage, or
84 operation of autonomous vehicles in this state shall require a prohibition upon the
85 installation or usage of LIDAR equipment manufactured in or by, including any
86 equipment whose critical or necessary components are manufactured in or by, a
87 company domiciled within a country of concern, or a company owned by a company
88 domiciled within a country of concern.

89 8. If any provision of this section or the application thereof to any person or
90 circumstance is held invalid, such determination shall not affect the provisions or

91 **applications of this section which may be given effect without the invalid provision or**
92 **application, and to that end the provisions of this section are severable.**

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