



AMENDMENT NO. 4

OFFERED IN THE HOUSE

BY REPRESENTATIVE GRAY

TO: CSHB 280(FIN)

Page 22, following line 1:

Insert a new section to read:

* Sec. 2. AS 43.20 is amended by adding a new section to read:

Sec. 43.20.152. Restrictions on artificial intelligence use in nuclear activities.

(a) Prohibition. A business may not, within the state, engage in conduct described in this section.

A business may not develop, deploy, sell, license, direct, or cause an artificial intelligence system to:

(1) design, assist in the design of, or simulate nuclear weapons;

(2) operate, control, or materially influence nuclear weapons systems or nuclear command and control systems;

(3) access, manage, generate, or transmit nuclear launch codes or nuclear command authorization systems; or

(4) operate or control critical safety systems of a nuclear power facility.

An artificial intelligence system may not autonomously or semi-autonomously perform any activity described in (1) – (4) of this subsection.

(b) Responsibility and liability. A person that develops, owns, deploys, or controls an artificial intelligence system is strictly liable for violations of this section caused by that system, whether the violation is intentional, knowing, reckless, or the result of autonomous or semi-autonomous system behavior.

(c) Scope. This section applies to:

(1) conduct occurring within the state; and

(2) artificial intelligence systems deployed on infrastructure located within the state, regardless of where the operator is located.

1 (d) Exceptions. This section does not apply to:

2 (1) activities conducted directly by the federal government or under a valid federal
3 contract, to the extent that federal law preempts state regulation;

4 (2) academic or scientific research that does not involve operational deployment or
5 real-world control of nuclear systems;

6 (3) cybersecurity, safety testing, or defensive analysis intended to identify or mitigate
7 vulnerabilities in nuclear-related systems, if conducted in compliance with applicable
8 federal law.

9 (e) Definitions. In this section,

10 (1) “artificial intelligence system” means a machine-based system that can, for a
11 given set of objectives, generate outputs such as predictions, recommendations, or
12 decisions influencing real or virtual environments, including systems capable of
13 autonomous or semi-autonomous action;

14 (2) “autonomously or semi-autonomously” means operating with limited or no real-
15 time human intervention;

16 (3) “nuclear weapons” includes any device designed to release energy from nuclear
17 fission or fusion for military purposes;

18 (4) “nuclear command and control system” means any system used to authorize,
19 direct, or execute the use of nuclear weapons;

20 (5) “nuclear power facility” means a facility that generates electricity through nuclear
21 fission and includes associated safety and control systems.

22 (f) Enforcement; penalties.

23 (1) The attorney general may bring a civil action to enforce this section.

24 (2) A person who violates this section, including through the actions of an artificial
25 intelligence system, is subject to:

26 (A) a civil penalty of not more than \$10,000,000 for each violation; and

27 (B) injunctive relief to prevent ongoing or imminent violations.

28 (3) Each day during which a prohibited act occurs or continues constitutes a separate
29 and distinct violation for purposes of assessing civil penalties under this subsection.

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(g) Regulations. The Department of Law may adopt regulations necessary to implement and enforce this section.

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4 Renumber the following bill sections accordingly.