



Sen. Ram Villivalam

Filed: 4/3/2025

10400SB2247sam002

LRB104 07607 SPS 24859 a

1 AMENDMENT TO SENATE BILL 2247

2 AMENDMENT NO. _____. Amend Senate Bill 2247 by replacing
3 everything after the enacting clause with the following:

4 "Section 1. Short title. This Act may be cited as the
5 Micromobility Fire Safety Act.

6 Section 5. Findings.

7 (a) Micromobility devices, such as electric bicycles,
8 electric scooters, and personal e-mobility devices, like
9 hoverboards and electric unicycles, are increasingly popular,
10 battery-powered transportation options for American consumers
11 and workers.

12 (b) As battery-powered devices, micromobility devices can
13 be a fire and explosion safety hazard if they do not meet
14 safety standards.

15 (c) For micromobility devices that do not meet safety
16 standards, there is a heightened risk of the lithium-ion

1 batteries that power these devices experiencing a cascading
2 failure where the overwhelming generation of heat triggers the
3 release of toxic gases, explosions, or the spread of flames.

4 (d) In 2021 and 2022, the U.S. Consumer Product Safety
5 Commission received reports from 39 states of at least 208
6 fires or overheating events that were associated with electric
7 bicycles and personal e-mobility devices that caused 19
8 fatalities.

9 (e) There are consensus standards available that mitigate
10 the battery and electrical system hazards of electric bicycles
11 and personal e-mobility devices that can cause fires.

12 (f) In 2022, the U.S. Consumer Product Safety Commission
13 issued a letter to the manufacturers, importers, distributors,
14 and retailers of electric bicycles and personal e-mobility
15 devices urging these products to be "designed, manufactured,
16 and certified" to the appropriate UL standard as
17 "manufacturing these products in compliance with the
18 applicable UL standards significantly reduces the risk of
19 injuries and deaths from micromobility device fires."

20 (g) In 2023, after 216 micromobility device-related fires
21 in 2022 that caused 147 injuries and 6 fatalities, New York
22 City enacted legislation requiring micromobility device and
23 battery certification to the applicable UL safety standards by
24 an ISO-accredited laboratory

25 Section 10. Definitions. As used in this Act:

1 "Accredited testing laboratory" means an independent
2 third-party organization providing certification and testing
3 for micromobility products, including low-speed electric
4 bicycles and personal e-mobility devices, that has received
5 ISO/IEC 17065 or ISO/IEC 17025 accreditation from an
6 independent accreditation body that is a member of the
7 International Accreditation Forum.

8 "Electric personal assistive mobility device" has the
9 meaning set forth in Section 1-117.7 of the Illinois Vehicle
10 Code.

11 "Lithium-ion battery" or "cell" means a rechargeable
12 electrochemical cell or battery in which the positive and
13 negative electrodes are both lithium compounds constructed
14 with no metallic lithium in either electrode. "Lithium-ion
15 battery" or "cell" includes a lithium-ion polymer battery or
16 cell that uses lithium-ion chemistries.

17 "Low-speed electric scooter" has the meaning set forth in
18 Section 1-140.11 of the Illinois Vehicle Code.

19 "Moped" has the meaning set forth in Section 1-148.2 of
20 the Illinois Vehicle Code.

21 "Motor-driven cycle" has the meaning set forth in Section
22 1-145.001 of the Illinois Vehicle Code.

23 "Off-highway motorcycle" has the meaning set forth in
24 Section 1-153.1 of the Illinois Vehicle Code.

25 "Personal e-mobility device" means a consumer mobility
26 device, other than a low-speed electric bicycle, intended for

1 a single rider with a traction battery and electric motor or
2 drive train that propels the device, which may be
3 self-balancing and may be provided with a handle for grasping
4 while riding, a seat for the rider, or operable pedals.

5 "Personal e-mobility device" includes an electric personal
6 assistive mobility device and low-speed electric scooter.

7 "Personal e-mobility device" also includes a skateboard,
8 motor-driven cycle, moped, and off-highway motorcycle, if
9 those vehicles are propelled by an electric motor.

10 "Recycling" means any process by which materials that
11 would otherwise become waste are collected, separated, or
12 processed for the purpose of returning the materials to the
13 economic mainstream in the form of raw materials for new
14 products.

15 "Traction battery" means a rechargeable lithium-ion
16 battery used to power the electric drive motor of a low-speed
17 electric bicycles or personal e-mobility devices.

18 Section 15. Manufacture and distribution of low-speed
19 electric bicycles, personal e-mobility devices, and traction
20 batteries.

21 (a) No person shall manufacture, distribute, sell, lease,
22 rent, offer for sale, offer for lease, or offer for rent a
23 low-speed electric bicycle unless the electrical drive system
24 for the low-speed electric bicycle has been tested by an
25 accredited testing laboratory and found: (i) before January 1,

1 2028, to comply with ANSI/CAN/UL Standard 2849 or EN Standard
2 15194; or (ii) on or after January 1, 2028, to comply with
3 ANSI/CAN/UL Standard 2849.

4 (b) No person shall manufacture, distribute, sell, lease,
5 rent, offer for sale, offer for lease, offer for rent, or
6 operate in furtherance of a business activity a personal
7 e-mobility device unless the electrical system for the
8 personal e-mobility device has been tested by an accredited
9 testing laboratory and found to comply with ANSI/CAN/UL
10 Standard 2272.

11 (c) No person shall manufacture, distribute, sell, lease,
12 rent, offer for sale, offer for lease, or offer for rent a
13 traction battery for a low-speed electric bicycle unless the
14 traction battery has been tested by an accredited testing
15 laboratory and found: (i) before January 1, 2028, to comply
16 with ANSI/CAN/UL Standard 2271, ANSI/CAN/UL Standard 2849, or
17 EN Standard 15194; or (ii) on or after January 1, 2028, to
18 comply with ANSI/CAN/UL Standard 2271 or ANSI/CAN/UL Standard
19 2849.

20 (d) No person shall manufacture, distribute, sell, lease,
21 rent, offer for sale, offer for lease, or offer for rent a
22 traction battery for a personal e-mobility device unless the
23 traction battery has been tested by an accredited testing
24 laboratory and found to comply with ANSI/CAN/UL Standard 2271.

25 Section 20. Reconditioned traction batteries.

1 (a) It is unlawful for any person to:

2 (1) assemble or recondition a traction battery using
3 cells removed from used lithium-ion batteries; or

4 (2) sell or offer for sale a lithium-ion traction
5 battery that uses cells removed from used lithium-ion
6 batteries.

7 (b) Nothing in this Section shall be construed to prohibit
8 the recycling of traction batteries or their components.

9 Section 25. Enforcement by Attorney General. A violation
10 of any of the provisions of this Act is an unlawful practice
11 under the Consumer Fraud and Deceptive Business Practices Act.
12 All remedies, penalties, and authority granted to the Attorney
13 General by that Act shall be available to the Attorney General
14 for the enforcement of this Act.

15 Section 90. The Consumer Fraud and Deceptive Business
16 Practices Act is amended by adding Section 2HHHH as follows:

17 (815 ILCS 505/2HHHH new)

18 Sec. 2HHHH. Violations of the Micromobility Fire Safety
19 Act. A person who violates the Micromobility Fire Safety Act
20 commits an unlawful practice within the meaning of this Act.

21 Section 99. Effective date. This Act takes effect January
22 1, 2026."