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## State of Minnesota

## HOUSE OF REPRESENTATIVES

A bill for an act

NINETY-THIRD SESSION

н. г. №. 4623

03/07/2024

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Section 1.

Authored by Mekeland The bill was read for the first time and referred to the Committee on Transportation Finance and Policy

Subd. 31. Supplemental warning system; temporary authority. (a) Prior to Aug 1, 2022, the commissioner may approve a Type A, B, C, or D school bus to buses may equipped with a supplemental warning system. On and after that date, a school bus may continue to be equipped with a previously approved supplemental warning system.  (b) To determine approval of a supplemental warning system, the commissioner m consider A supplemental warning system must:  (1) use amber and red signal colors, which are limited to one or more of the colors where the colors was amber, and red;  (2) flashing patterns use supplemental amber warning lights activated only in conjunct with activated overhead amber warning lights and supplemental red warning lights active only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing	1.2 1.3 1.4	relating to transportation; modifying supplemental warning system requirements on school buses; amending Minnesota Statutes 2022, section 169.4503, subdivision 31.
Subd. 31. Supplemental warning system; temporary authority. (a) Prior to Aug 1, 2022, the commissioner may approve a Type A, B, C, or D school bus to buses may equipped with a supplemental warning system. On and after that date, a school bus may continue to be equipped with a previously approved supplemental warning system.  (b) To determine approval of a supplemental warning system, the commissioner m consider A supplemental warning system must:  (1) use amber and red signal colors, which are limited to one or more of the colors where the colors was amber, and red;  (2) flashing patterns use supplemental amber warning lights activated only in conjunct with activated overhead amber warning lights and supplemental red warning lights active only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing	1.5	BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:
1.8 1, 2022, the commissioner may approve a Type A, B, C, or D school bus to buses may equipped with a supplemental warning system. On and after that date, a school bus may continue to be equipped with a previously approved supplemental warning system.  (b) To determine approval of a supplemental warning system, the commissioner may consider A supplemental warning system must:  (1) use amber and red signal colors, which are limited to one or more of the colors with amber, and red;  (2) flashing patterns use supplemental amber warning lights activated only in conjunct with activated overhead amber warning lights and supplemental red warning lights active only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing system is automatically activated in conjunction with activation of prewarning flashing system is automatically activated in conjunction with activation of prewarning flashing system is automatically activated in conjunction with activation of prewarning flashing system is automatically activated in conjunction with activation of prewarning flashing system is automatically activated in conjunction with activation of prewarning flashing system.	1.6	Section 1. Minnesota Statutes 2022, section 169.4503, subdivision 31, is amended to read
equipped with a supplemental warning system. On and after that date, a school bus may continue to be equipped with a previously approved supplemental warning system.  (b) To determine approval of a supplemental warning system, the commissioner may consider A supplemental warning system must:  (1) use amber and red signal colors, which are limited to one or more of the colors where and red;  (2) flashing patterns use supplemental amber warning lights activated only in conjunct with activated overhead amber warning lights and supplemental red warning lights active only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing	1.7	Subd. 31. Supplemental warning system; temporary authority. (a) Prior to August
continue to be equipped with a previously approved supplemental warning system.  (b) To determine approval of a supplemental warning system, the commissioner means to eonsider A supplemental warning system must:  (1) use amber and red signal colors, which are limited to one or more of the colors which amber, and red;  (2) flashing patterns use supplemental amber warning lights activated only in conjunct with activated overhead amber warning lights and supplemental red warning lights active only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing.	1.8	1, 2022, the commissioner may approve a Type A, B, C, or D school bus to buses may be
(b) To determine approval of a supplemental warning system, the commissioner means to consider A supplemental warning system must:  (1) use amber and red signal colors, which are limited to one or more of the colors with amber, and red;  (2) flashing patterns use supplemental amber warning lights activated only in conjunct with activated overhead amber warning lights and supplemental red warning lights active only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing.	1.9	equipped with a supplemental warning system. On and after that date, a school bus may
consider A supplemental warning system must:  (1) use amber and red signal colors, which are limited to one or more of the colors with amber, and red;  (2) flashing patterns use supplemental amber warning lights activated only in conjunct with activated overhead amber warning lights and supplemental red warning lights activated only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing.	1.10	continue to be equipped with a previously approved supplemental warning system.
(1) use amber and red signal colors, which are limited to one or more of the colors with amber, and red;  (2) flashing patterns use supplemental amber warning lights activated only in conjunct with activated overhead amber warning lights and supplemental red warning lights activated only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing.	1.11	(b) To determine approval of a supplemental warning system, the commissioner must
1.14 amber, and red;  (2) flashing patterns use supplemental amber warning lights activated only in conjunction with activated overhead amber warning lights and supplemental red warning lights activated only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing.	1.12	consider A supplemental warning system must:
(2) flashing patterns use supplemental amber warning lights activated only in conjunction with activated overhead amber warning lights and supplemental red warning lights activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing.	1.13	(1) use amber and red signal colors, which are limited to one or more of the colors white
with activated overhead amber warning lights and supplemental red warning lights active only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warning system is automatically activated in conjunction with activation of prewarning flashing.	1.14	amber, and red;
only in conjunction with activated overhead red flashing lights;  (3) vehicle mounting and placement;  (4) supplemental warning system activation (3) be wired so the supplemental warn system is automatically activated in conjunction with activation of prewarning flashing.	1.15	(2) flashing patterns use supplemental amber warning lights activated only in conjunction
1.18 (3) vehicle mounting and placement;  1.19 (4) supplemental warning system activation (3) be wired so the supplemental warn  1.20 system is automatically activated in conjunction with activation of prewarning flashing	1.16	with activated overhead amber warning lights and supplemental red warning lights activated
(4) supplemental warning system activation (3) be wired so the supplemental warn system is automatically activated in conjunction with activation of prewarning flashing	1.17	only in conjunction with activated overhead red flashing lights;
system is automatically activated in conjunction with activation of prewarning flashing	1.18	(3) vehicle mounting and placement;
	1.19	(4) supplemental warning system activation (3) be wired so the supplemental warning
amber signals, stop-signal arm, and flashing red signals;	1.20	system is automatically activated in conjunction with activation of prewarning flashing
	1.21	amber signals, stop-signal arm, and flashing red signals;

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(5) light intensity (4) be programmed to flash either:

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2.1	(i) using a randomized flash pattern; or
2.2	(ii) alternating with the corresponding overhead light at a rate of 60 to 120 flashes per
2.3	minute; and
2.4	(6) permissible text, signage, and graphics, if any (5) use lights installed in pairs and
2.5	mounted on the same level and placed as wide as practicable on the body above the bumper
2.6	<u>level</u> .
2.7	(e) The commissioner must review relevant research findings and experience in other
2.8	jurisdictions, and must consult with interested stakeholders, including but not limited to
2.9	representatives from school district pupil transportation directors, private school bus
2.10	operators, and pupil transportation and traffic safety associations.

Section 1. 2