§ 571.10 Designation of seating positions.

(a) Application. This section applies to passenger cars, trucks, multipurpose passenger vehicles, and buses manufactured on or after September 1, 2010. However, paragraph (b) of this section does not apply to trucks and multipurpose passenger vehicles with a gross vehicle weight rating greater than 10,000 lbs, school buses, police vehicles as defined in S7 of Standard No. 208 (49 CFR 571.208), firefighting vehicles, ambulances, or motor homes. To determine the number of passenger seating positions in school buses, see §4.1 of Standard No. 222 (49 CFR 571.222).

(b) Number of designated seating positions. The formula for calculating the number of designated seating positions (N) for any seat location with a seating surface width greater than 330 mm (13 inches) is as follows:

1. For seat locations with a seating surface width, as described in paragraph (c), of less than 1400 mm (55.2 inches): \[ N = \left\lfloor \frac{\text{Seating surface width (in mm)}}{350} \right\rfloor \]

2. For seat locations with a seating surface width, as described in paragraph (c), greater than or equal to 1400 mm (55.2 inches): \[ N = \left\lfloor \frac{\text{Seating surface width (in mm)}}{450} \right\rfloor \]

(c) Seating surface measurement. (1) As used in this section, “seating surface width” is the maximum width of a seating surface measured in a zone extending from a transverse vertical plane 150 mm (5.9 inches) behind the front leading surface of that seating surface to a transverse vertical plane 250 mm (9.8 inches) behind that front leading surface, measured horizontally and longitudinally.

(2) Adjacent seating surfaces are considered to form a single, continuous seating surface whose overall width is measured as specified in (c)(1) of this section, unless

(i) The seating surfaces are separated by:

(A) A fixed trimmed surface whose top surface is unpadded and that has a width not less than 140 mm (5.5 inches), as measured in each transverse vertical plane within that measurement zone, or
§ 571.101 Standard No. 101; Controls and displays.

S1. Scope. This standard specifies performance requirements for location, identification, color, and illumination of motor vehicle controls, telltales and indicators.

S2. Purpose. The purpose of this standard is to ensure the accessibility, visibility and recognition of motor vehicle controls, telltales and indicators, and to facilitate the proper selection of controls under daylight and nighttime conditions, in order to reduce the safety hazards caused by the diversion of the driver’s attention from the driving task, and by mistakes in selecting controls.

S3. Application. This standard applies to passenger cars, multipurpose passenger vehicles, trucks, and buses.

S4. Definitions.

Adjacent, with respect to a control, telltale or indicator, and its identifier means:

(a) The identifier is in close proximity to the control, telltale or indicator; and

(b) No other control, telltale, indicator, identifier or source of illumination appears between the identifier and the telltale, indicator, or control that the identifier identifies.

Common space means an area on which more than one telltale, indicator, identifier, or other message may be displayed, but not simultaneously.

Control means the hand-operated part of a device that enables the driver to change the state or functioning of the vehicle or a vehicle subsystem.

Indicator means a device that shows the magnitude of the physical characteristics that the instrument is designed to sense.

Identifier means a symbol, word, or words used to identify a control, telltale, or indicator.

Multi-function control means a control through which the driver may select, and affect the operation of, more than one vehicle function.

Multi-task display means a display on which more than one message can be shown simultaneously.

Telltale means an optical signal that, when illuminated, indicates the actuation of a device, a correct or improper functioning or condition, or a failure to function.

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