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客车结构安全要求
The Safety Requirements for Bus Construction

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The Safety Requirements for Bus Construction

1 SCOPE

This Standard specifies the safety requirements for bus construction.
This Standard applies to the buses in categories of M₂ and M₃, including trolleybuses.
This Standard does not apply to sleeper buses, special school buses, special buses or off-road buses.

2 NORMATIVE REFERENCES

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 2408-2008 Plastics – Determination of burning characteristics – Horizontal and vertical test

GB/T 3730.2-1996 Road vehicles – Masses – Vocabulary and codes

GB/T 4780-2000 Terms for motor vehicle body

GB 8410-2006 Flammability of automotive interior materials

GB/T 12428-2005 Laden mass calculating method for buses

GB 14166 Safety belts, restraint systems, child restraint systems and ISOFIX child restraint systems for occupants of power-driven vehicles

GB 14167 Safety-belt anchorages, ISOFIX anchorages systems and ISOFIX top tether anchorages for vehicles

GB/T 15089 Classification of power-driven vehicle and trailers

GB 30678 Safety signs and information symbols for the use of bus

3 TERMS AND DEFINITIONS

For the purpose of this document, the terms and definitions established in GB/T 3730.2-1996, GB/T 4780-2000, and GB/T 15089 as well as the followings apply.

3.1

Double-deck bus

A bus where the provided spaces for passengers are arranged, at least in one part, in two superimposed levels

3.2

Trolleybus

A rubber tyred bus powered by energy from overhead DC wires and driven by electric motor

3.3

Gangway

The space providing access by passengers from any seat or row of seats or each special area for wheelchair users to any other seat or row of seats or each special area for wheelchair users or to any access passage from or to any service door or intercommunication staircase and any area for standing passengers. It does not include:

- a) The space extending 300mm in front of any seat, while in the case of a sideways-facing seat, this dimension may be reduced to 225mm;
- b) The space above any step or staircase (except where the surface of the step is contiguous with that of a gangway or access passage);
- c) Any space which affords access only to one seat or row of seats or a facing pairs of transverse seats or row of seats.

3.4

Access passage

The space extending inwards into the vehicle from the service door up to the outermost edge of the upper step (edge of the gangway), intercommunication staircase or half-staircase. Where there is no step at the door, the space to be considered as access passage shall be the 300mm space extending inward from the service door (measured according to 4.6.1.1 to 4.6.1.2). It also includes the free space between the gangway and the emergency door (namely, the emergency



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