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**Road Vehicles - Recyclability and Recoverability Rate -  
Requirement and Calculation Method**  
**道路车辆 可再利用率和可回收利用  
要求及计算方法**

*(English Translation)*

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# Road Vehicles - Recyclability and Recoverability Rate - Requirement and Calculation Method

## 1 SCOPE

This document specifies the symbols for recyclability rate and recoverability rate of road vehicles, and the requirements and calculation methods of recyclability rate and recoverability rate of complete vehicle.

This document is applicable to the newly produced vehicles of Categories M<sub>1</sub> and N<sub>1</sub>, while other vehicles may use this document as a reference.

## 2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through normative reference in this text, constitute essential provision of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

GB/T 3730.2-1996	Road vehicles - Masses - Vocabulary and codes
GB/T 26988	Marks for recoverability of automobile parts
GB/T 26989	Automobile recovery – Terminology
GB/T 33460	Specifications for compiling dismantling manual of end-of-life vehicles
GB/T 34490	Recycled sintered neodymium iron boron permanent magnets
QC/T 797	Material identification & marking of automotive plastic, rubber & thermoplastic elastomer parts

## 3 TERMS AND DEFINITIONS

For the purpose of this document, the terms and definitions given in GB/T 3730.2-1996 and GB/T 26989, as well as the following apply.

- 3.1 vehicle mass,  $m_v$
- total mass of a vehicle in running order without carrying driver, passenger or goods, but the fuel tank filled to 90% of the capacity, complete with standard tool kit and spare type (if so equipped as specified by the vehicle manufacturer)
- [Source: GB/T 3730.2-1996, 4.6, modified]
- 3.2 proven recycling technology
- the recycling technology of automobile materials, which is currently available and applied in mass production or trial production
- 3.3 recyclability rate,  $R_{cyc}$
- the mass of the complete vehicle potentially able to be reused and/or recycled, as a percentage of the vehicle mass
- 3.4 recoverability rate,  $R_{cov}$
- the mass of the complete vehicle potentially able to be reused and/or recycled and/or recovered, as a percentage of the vehicle mass

## 4 SYMBOLS

For the purpose of this document, the symbols shown in Table 1 apply.



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