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Unified Coding and Identification for Auto Parts

汽车零部件的统一编码与标识

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard was proposed by and shall be under the jurisdiction of National Technical Committee for Standardization of Article Numbering and Identification (SAC/TC 287).

Drafting organizations of this Standard: Article Numbering Center of China, Automatic Identification Manufacture Association of China, Shanghai Institute of Standardization, Shandong Institute of Standardization, Beijing Jingcheng Bar-code Tech. Co., Ltd., Shanghai Chenda Wulian Network Technology Co., Ltd., China Automotive Maintenance and Repair Trade Association Auto Repair Parts Committee, Zhejiang Article Numbering Center, Chongqing Institute of Standardization, Lifan Industry (Group) Co., Ltd. Auto Institute, Shanghai Tongyou Automation Technology Co., Ltd., Hubei Institute of Standardization, and Wuhan Huagong Laser Engineering Co., Ltd.

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Unified Coding and Identification for Auto Parts

1 Scope

This Standard specifies the coding principles, data structures, notation methods, and its general position rules of the unified coding (hereinafter referred to as “coding”) for auto parts.

This Standard is applicable to the preparation of the unified coding and identification for auto parts; it is used for information acquisition and data exchange for auto parts.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB/T 12905 Bar Coding Terminology

GB/T 14258 Information Technology - Automatic Identification and Data Capture Techniques - Verification of Print Quality of Bar Code Symbols

GB/T 15425-2014 Bar Code for Commodity - 128 Bar Code

GB/T 16986-2009 Bar Code for Commodity - Application Identifier

GB/T 18284 QR Code

GB/T 21049 Chinese-Sensible Code

GB/T 23704 Information Technology - Automatic Identification and Data Capture Techniques - Bar Code Print Quality Test Specification - Two-Dimensional Symbols

ISO/IEC 16022 Information Technology – Automatic Identification and Data Capture Techniques – Data Matrix Bar Code Symbol Specification

ISO/IEC TR 29158 Information Technology – Automatic Identification and Data Capture Techniques – Direct Part Mark (DPM) Quality Guideline

3 Terms and Definitions

The following terms and definitions defined in GB/T 12905 are applicable to this document.

3.1 Global Trade Item Number (GTIN)

Application identifier 01 consists of 14 digits, which is globally unique identification code for trade items (including products and services).

3.2 Parts number

Auto parts manufacturers make the physical numbers against their manufactured parts, which also includes the management numbers determined due to the technology, manufacture and management demands of the manufacturers, the application identifier is 240.

3.3 Parts lot

Code of parts of the belonged batch, application identifier is 10, which is expressed by a group of digits, letters or combinations.

3.4 Part serial number

Uniquely identify the running number of single-piece of certain kind of parts in the same batch, application identifier is 21, which is expressed by a group of digits, letters, and combination of digits.

3.5 Supply code in customer plant

Customer distributes the internal vendor code to the supplier, application identifier is 92, which is expressed by a group of digits or letters.

3.6 Spare parts code in customer plant

Customer provides the spare parts codes for the products supplied by the supplier, application identifier is 241, which is expressed by a group of digits or letters.

3.7 Customer purchase code

Parts purchasing order code, application identifier is 400, which is expressed by a group of digits or letters.

3.8 Direct Part Mark (DPM)

A preparation technology marked directly on the part surface; it does not require marking carriers such as paper or label, which is also called body identification.

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