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Coding for radio frequency identification (RFID) tyre tags

轮胎用射频识别（RFID）电子标签编码

(English Translation)

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Foreword

This document was drafted in accordance with the rules given in GB/T 1.1-2020

"Directives for standardization - Part 1.Rules for the structure and drafting of standardizing documents".

This document is equivalent to ISO 20910.2019 "Coding for radio frequency identification (RFID) tyre tags".

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority shall not be held responsible for identifying any or all such patent rights.

This document was proposed by China Petroleum and Chemical Industry Federation.

This document shall be under the jurisdiction of National Technical Committee on Tyres and Rims of Standardization Administration of China (SAC/TC 19).

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Coding for radio frequency identification (RFID) tyre tags

1 Scope

This document specifies the general requirements and data structure of coding for radio frequency identification (RFID) tyre tags (hereinafter referred to as RFID electronic tags).

This document applies to RFID electronic tags for tyres of various technologies.

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.

ISO 20909, Radio frequency identification (RFID) tyre tags

NOTE: GB/T 43490-2023, Radio frequency identification (RFID) tyre tags (ISO 20909:2019, IDT)

ISO/IEC 18000-63, Information technology -- Radio frequency identification for item management -- Part 63. Parameters for air interface communications at 860

MHz to 960 MHz Type C

ISO/IEC19762, Information technology -- Automatic identification and data capture

(AIDC) techniques -- Harmonized vocabulary

GS1 EPCTM Tag Data Standard

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in ISO/IEC 19762 and ISO 20909 as well as the followings apply.

3.1 memory bank; MB

The specified name of the segmented storage structure.

NOTE: RFID electronic tags that comply with ISO/IEC 18000-63 have four independently available storage areas, numbered MB00, MB01, MB10, and MB11, see Table 1.

3.2 company prefix; CP

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