

ICS 35.040
CCS L 71



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 22334-2008

Radio-frequency identification of animals -- Technical concept

动物射频识别 技术准则

(English Translation)

Issued on: August 26, 2008

Implemented on: February 1, 2009

Issued by: Standardization Administration of China

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Foreword

This revised standard adopts ISO 11785:1996 "Guidelines for Animal RFID technology" (in English).

This standard is based on ISO 11785:1996 redrafted. The standard lists the reg number and ISO 11785 in Appendix A. Chapter 1996 Article number of the control list.

Taking into account China's national conditions, in the use of ISO 11785:1996, the following modifications of the standard, technical differences have been incorporated into the text.

a) increasing the administrative department of radio frequency identification devices emitting magnetic field strength requirements (4.1.1, 4.1.2 of this standard);

b) increase the administrative department of radio frequency identification equipment spurious emission limit requirements (4.1.1, 4.1.2 of this standard);

c) Appendix B (ISO 11785:1996 Annex A) to an information appendix.

In order to facilitate the use of various user-related equipment manufacturers, system integrators and users, etc., the editorial changes made the following standards.

a) Remove the ISO 11785:1996 Foreword and Introduction;

b) Delete the ISO 11785:1996 Consistency section (ISO 11785. Chapter 21 996);

c) the terms of the order have been adjusted;

d) Remove the ISO 11785:1996 English abbreviation chapter (ISO 11785. Chapter 51 996);

e) on the "technical requirements" in accordance with RFID readers, RFID tags, content

and transmission format, full-duplex and half-duplex system parameters Sequence number were rearranged.

This standard Annex A, Annex B, Annex C is informative annex, Annex D is normative appendix.

The standard proposed by the Article Numbering Center of China.

This standard by the National Standardization Technical Committee of agricultural machinery.

This standard was drafted. Article Numbering Center of China.

1 Scope

This standard specifies the radio frequency animal identification between RFID readers and RFID tags technical information required for bidirectional communication.

This standard applies to animal messaging RFID readers and RFID tags between the radio frequency identification process.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 20563-2006 Animal RFID code structure (ISO 11784:1996, MOD)

3 Terms and Definitions

The following terms and definitions apply to this standard.

GB/T 20563-2006 defined in 64-bit binary code.

Starting logo identification messages, and can be used between the RFID readers and RFID tags synchronization code bits.

For error detection code bits.

Logo identification message transmitted end and prompt subsequent code bits Have additional data.

Indivisible unit of information transfer.

All information from the start code, identification code, check code and end code thereof.

Basic information of correspondence between the elements and the modulation signal waveform between.

Middle of the bit period has a transition represents a binary 0, no transition represents a binary 1, and the starting level for two bit periods should be reversed Encoding.