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

GB/T 41734.7-2023

**Radiofrequency identification of animals - Part 7:
Synchronization of GB/T 22334 identification systems**

动物射频识别 第7部分：GB/T 22334识别系统间的同步

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Abbreviations	1
5 Synchronization protocol	1
6 System Overview	7
7 Bus Electrical Specifications	8
8 Synchronization method	8
9 Synchronization circuit hardware	11
Appendix A (Normative) Synchronous Timing Diagram	15

Foreword

This document was issued on 17 March 2023 by the State Administration for Market Regulation; Standardization Administration of the PRC and takes effect on 1 October 2023.

It is a GB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies when assessing a submission.

It is classified under ICS 65.040.99, Chinese classification B90.

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules for Standardization Documents" drafting.

This document is Part 7 of GB/T 41734 "Radio Frequency Identification of Animals". GB/T 41734 has issued the following parts.

--- Part 1. Consistency assessment of radio frequency identification labels and GB/T 20563 and GB/T 22334 (including the issue of manufacturer codes

put and use);

--- Part 2. Consistency assessment of RFID readers and GB/T 20563 and GB/T 22334;

--- Part 3. Performance evaluation of radio frequency identification tags in accordance with GB/T 20563 and GB/T 22334;

--- Part 4. Performance evaluation of radio frequency identification readers in accordance with GB/T 20563 and GB/T 22334;

- Part 6. Animal identification information format (visual display/data transmission);
- Part 7. Synchronization between GB/T 22334 identification systems.

This document is modified to adopt ISO 24631-7:2012 "Radio Frequency Identification of Animals - Part 7. Synchronization between ISO 11785 Identification Systems".

Compared with ISO 24631-7:2012, this document has made the following structural adjustments.

- 5.2~5.9 of Chapter 5 correspond to 5.1~5.8 of ISO 24631-7:2012;
- 5.6.2~5.6.3 of Chapter 5 correspond to 5.5.1~5.5.2 of ISO 24631-7:2012;
- 5.7a)~c) of Chapter 5 correspond to 5.6.2~5.6.4 of ISO 24631-7:2012;
- 9.2~9.4 of Chapter 9 correspond to 9.1~9.3 of ISO 24631-7:2012.

The technical differences between this document and ISO 24631-7:2012 and their reasons are as follows.

- Changed the scope of application of the standard to adapt to the development of the industry in my country (see Chapter 1);
- Added GB/T 41734.1 (see Chapter 3 and Chapter 4) for normative references to adapt to the technical conditions of our country;
- Replaced ISO 11784:1996 (see 5.1, 9.1) with the normative reference GB/T 20563 to adapt to the technical conditions of our country;
- Replaced ISO 11785:1996 (see 5.1, 9.1, Appendix A) with the normatively quoted GB/T 22334 to adapt to my country's technical standards

technical conditions.

The following editorial changes have been made to this document.

- In order to coordinate with the existing standard, change the name of the standard to "Radio Frequency Identification of Animals Part 7. GB/T 22334 Synchronization between identification systems step";
- Deleted the term "RF reader", "RF tag" and "RF tag code" (see Chapter 3), deleted the abbreviations FDX-B, HDX, RFID (see Chapter 4);
- Added the abbreviation MRS (see Chapter 4);
- Change the suspension paragraph of Chapter 5 to 5.1;
- Change the suspension section of 5.6 to 5.6.1;

--- Change the suspension paragraph of Chapter 9 to 9.1;

--- Replaced ISO 24631-2 with the informative referenced GB/T 41734.2 (see Appendix A).

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

This document is proposed by China Machinery Industry Federation.

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Introduction

GB/T 41734 mainly involves the consistency of radio frequency identification tags and radio frequency identification readers. Currently, radio frequency identification tags used for animal identification

The main type of tag is injection type RFID tag, mainly including electronic ear tag RFID tag, electronic rumen pill RFID tag, leg ring

RFID tags. GB/T 20563 specifies the code structure for animal radio frequency identification, and GB/T 22334 specifies the technical code for animal radio frequency identification.

Technical guidelines, GB/T 41734 mainly solves the consistency between radio frequency identification tags, radio frequency identification readers and GB/T 20563 and GB/T 22334

Performance evaluation, performance evaluation and other issues.

GB/T 41734 is proposed to consist of seven parts.

--- Part 1.Consistency assessment of radio frequency identification labels and GB/T 20563 and GB/T 22334 (including the issue of manufacturer codes

put and use). The purpose is to give the consistency assessment of radio frequency identification tags and GB/T 20563 and GB/T 22334

method.

--- Part 2.Consistency assessment of RFID readers and GB/T 20563 and GB/T 22334.The purpose is to give the shot

Consistency assessment method for frequency identification readers and GB/T 20563 and GB/T 22334.

--- Part 3.Performance evaluation of radio frequency identification tags in accordance with GB/T 20563 and GB/T 22334.The purpose is to give

Performance evaluation methods for GB/T 20563 and GB/T 22334 radio frequency identification tags.

--- Part 4.Performance evaluation of radio frequency identification readers in accordance with GB/T 20563 and GB/T 22334.The purpose is to give

Compatible with GB/T 20563 and GB/T 22334 RFID reader performance evaluation method.

--- Part 5.Test procedures for the ability of radio frequency identification readers to read GB/T 20563 and GB/T 22334 radio frequency identification tags;

The purpose is to give the ability test of the radio frequency identification reader to read the radio frequency identification tags of GB/T 20563 and GB/T 22334

program.

--- Part 6.Animal identification information format (visual display/data transmission). The purpose is to regulate the display/transmission of animal identification information