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

GB/Z 36442.3-2018

**Information technology -- Radio frequency identification for item
management -- Implementation guidelines -- Part 3: Implementation and
operation of UHF RFID interrogator systems in logistics applications**

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Foreword

GB /Z 36442 "Guidelines for the Implementation of Radio Frequency Identification for Information Technology for Article Management" is intended to be divided into the following sections.

--- Part 1. Passive UHF RFID tags;

--- Part 3. Implementation and operation of UHF RFID reader system in logistics applications.

This part is the third part of GB /Z 36442.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the redrafting method to refer to ISO /IEC TR24729-3:2009 "Information Technology for RFID Management of Article Management"

Guide Part 3. Implementation and Operation of UHF RFID Reader Systems in Logistics Applications, with ISO /IEC TR24729-3.

The degree of consistency in.2009 is non-equivalent.

1 Scope

This part of GB /Z 36442 gives UHF RFID fixed-mount readers (such as door channels, conveyors and packing stations), hands

Implementation and operating instructions for holding readers (wired and wireless) and removable mounted readers (such as those installed on forklifts) in logistics applications.

This section applies to the selection, installation and application of UHF RFID readers in logistics applications.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB 8702-2014 Electromagnetic environment control limits

GB/T 29261.3-2012 Information technology - Automatic identification and data acquisition technology - Part 3. Radio frequency identification (ISO /

IEC 19762-3:2008, NEQ)

GB/T 29768-2013 Information Technology Radio Frequency Identification 800/900MHz Air Interface Protocol

GB /Z 36442.1-2017 Guide to the implementation of radio frequency identification for information management - Part 1 . Passive UHF

RFID tag

YY0505-2012 Medical electrical equipment - Part 1-2. Safety common requirements Parallel standard. Electromagnetic compatibility requirements and testing

(IEC 60601-1-2:2001, IDT)

Notice on the Release of the Trial Provisions for the Application of Radio Frequency Identification (RFID) Technology in the 800/900 MHz Band (No. [2007] No. 205)

ISO /IEC 19762-1 Automatic Identification and Automatic Acquisition of Information Technology (AIDC) Harmonized Vocabulary Part 1.

AIDC related general term (Informationtechnology-Automatic identification and data capture (AIDC)

techniques-Harmonizedvocabulary-Part 1.GeneraltermsrelatingtoAIDC)

3.1 Terms and definitions

The terms and definitions defined in ISO /IEC 19762-1 and GB/T 29261.3-2012 apply to this document.

3.2 Abbreviations

The following abbreviations apply to this document.

EIRP. effective isotropic radiated power (effectiveisotropicradiatedpower)

I/O. input/output (input/output)

RFID. radio frequency identification (radiofrequency identification)

UHF. ultra high frequency

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