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

YZ/T 0173-2020

**Specifications for regulatory data access of intelligent mail and
parcel locker and intelligent self-express service machine
(English Translation)**

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Table of Contents

Foreword...	3
1 Scope...	4
2 Normative references...	4
3 Terms and definitions...	4
4 Abbreviations...	6
5 Data access type...	6
6 Data access business process...	7
6.1 Data access business process diagram...	7
6.2 Data access business process...	7
7 Communication protocol...	8
7.1 Transmission protocol...	8
7.2 Message format...	8
8 Information message...	8
8.1 Message type...	8
8.2 Message data type...	9
8.3 Regulatory data message interface for intelligent mail & parcel locker...	10
8.4 Regulatory data message interface for intelligent self-express service machine...	19
8.5 Access process...	27
9 Data control...	29
9.1 Data compatibility requirements...	29
9.2 Encryption method...	29
9.3 Data integrity...	29
9.4 Data network transmission security...	29
10 Data access frequency...	29

Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020

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

Please note that some contents of this document may involve patents. The issuing

agency of this document does not assume the responsibility for identifying patents.

This document was proposed by the State Post Bureau.

This document shall be under the jurisdiction of the National Postal Industry Standardization Technical Committee (SAC/TC 462).

Drafting organizations of this document. Guoyou Hengan (Beijing) Technology Co., Ltd., Postal Industry Security Center of the State Post Bureau.

1 Scope

This document specifies the access type, access process, communication protocol, information message, data control, data access frequency and other contents of the regulatory data access of intelligent mail & parcel locker and intelligent self-express service machine.

This document applies to the regulatory data access of intelligent mail & parcel locker and intelligent self-express service machine.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in the text. Among them, for dated references, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

GB/T 10757 Terminology of postal industry

GB/T 24295 Intelligent mail & parcel locker

GB/T 27917.1 Express service - Part 1. Basic terminology

YZ/T 0132-2013 Postal industry organization coding rules

YZ/T 0133-2013 Intelligent self-express service machine

YZ/T 0143-2015 Basic data elements for express item

3 Terms and definitions

The terms and definitions defined in GB/T 10757, GB/T 24295, GB/T 27917.1, YZ/T 0133, as well as the following terms and definitions, apply to this document.

3.1

Intelligent mail & parcel locker

An intelligent service terminal for users to receive mail and express item, which is controlled and managed by information technology and operated by password verification, electronic verification, biometrics and other identity recognition methods.

[Source. GB/T 24295, 3.1]

3.2

Intelligent self-express service machine

A self-service device set up in public places for delivery companies to deliver and users to post and pick up express item.

[Source. YZ/T 0133-2013, 3.1, modified]

3.3

Mail

A general term for letters, parcels, remittance notices, newspapers and other printed materials delivered by postal companies.

[Source. GB/T 10757-2011, 5.1.1]

3.4

Express item

A general term for letters, parcels, printed materials, etc. delivered by express service organizations in accordance with the law.

[Source. GB/T 27917.1-2011, 2.3]

3.5

Receiver

The individual or unit designated as the receiver in the mail or express address.

[Source. GB/T 10757-2011, 3.4]

3.6

Sender

The individual or unit that sends the mail or express item.

[Source. GB/T 10757-2011, 3.3]

the data reception result in real time;

b) The intelligent self-express service machine operation organization information system sends the delivery information, Takeaway information, take back information, waybill information, collection information and other operation data to the postal administrative authority information system in real time; it sends the deliver staff information, device information, video information and other data to the postal administrative authority information system on demand; the postal administrative authority information system returns the data reception result in real time.

7.1 Transmission protocol

The message transmission between the information system of the operation organization of the intelligent mail & parcel locker and intelligent self-express service machine and the information system of the postal administrative authority shall adopt the HTTP protocol; the data shall be sent in the POST mode. For messages involving security information, the HTTPS protocol shall be used.

7.2 Message format

The message for regulatory data access of the intelligent mail & parcel locker and intelligent self-express service machine shall adopt the JSON format.

8.1 Message type

The message types for regulatory data access of the intelligent mail & parcel locker and intelligent self-express service machine are shown in Table 3 and Table 4.

transmitted the previous day will be retransmitted the next day. The specific retransmission time shall be agreed upon by the intelligent mail & parcel locker and intelligent self-express service machine operation organization and the postal administrative authority, which can be 4.00 a.m. the next day.