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GB/T 41834-2022

Guidelines for smart logistics services

智慧物流服务指南

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1.Structure and Drafting Rules of Standardization Documents" drafted. Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents. This document is proposed and managed by the National Logistics Standardization Technical Committee (SAC/TC269). This document was drafted by: Goodaymart Supply Chain Technology Co., Ltd., Tianjin University, Anshan Iron and Steel Group Co., Ltd., GLP Technology (Shanghai) Co., Ltd., Beijing Jingdong Dry Stone Technology Co., Ltd., Yuantong Express Co., Ltd., Wumart Technology Group Co., Ltd., China Post Express Express Logistics Co., Ltd., Huawei Technologies Co., Ltd., China Railway Express Co., Ltd., Kejie Intelligent Technology Co., Ltd., Shenzhen Shun Fengtaisen Holdings (Group) Co., Ltd., Zhejiang Cainiao Supply Chain Management Co., Ltd., IKEA Trading (China) Co., Ltd., Qingdao Xinqianwan Collection Container Terminal Co., Ltd., Qingdao Debon Logistics Co., Ltd., Zhongchuang Logistics Co., Ltd., State Grid Tianjin Electric Power Company Materials Co., Ltd. Company, Jinan Debang Logistics Co., Ltd. The main drafters of this document. Liu Weihua, Cai Guoliang, Qiao Xianling, Sun Xiaofeng, Duan Hongjie, Xie Yuting, Liang Yanjie, Yan Xiaoyu, Long Shangsong, Wei Shuang, Hou Haiyun, Zhou Hongyun, Guo Bing, Zhang Jianfeng, Wu Xiaojie, Qiao Xiaoqiang, Liu Xu, Sun Jianying, Yin Weiyue, Yu Jianbo, Zhu Yumei, Wu Renjie, Xie Chao, Wei Wei, Yang Chunyang, Zou Zhensheng, Long Jinjun, Tang Bing, Gao Guoqing, Li Jin, Chen Taotao, Pan Xuhua, Jin Xiu, Zhang Liangang, Li Yongcui, Luan Xiaojun, Zhang Chengxi, Wu Sidong, Qiu Meng, Yang Zhentao, Liu Yang. Smart Logistics Service Guide

1 Scope

China's national guidelines for smart logistics services. Chinese logistics is the largest and among the most automated in the world, driven by an e-commerce sector that delivers

parcels in the hundreds of millions per day, and the industry has assembled its capability faster than any framework for describing it. That is what these guidelines address: what makes a logistics service smart rather than merely computerised. The distinguishing features are the ones that change decisions rather than record them - visibility of every item in real time rather than at scan points, routing and allocation computed continuously against current conditions, demand forecasting that positions stock before it is ordered, and automated handling that responds to what arrives rather than to what was planned. A guideline rather than a specification is right for a field moving this fast, and its value is in fixing the vocabulary and the service levels that a contract can refer to.

2.Intelligent technology integrates software and hardware in big data technology, cloud computing technology, Internet of Things technology, mobile communication technology and other fields (including edge fields) part or all of the technology. [Source: GB/T 28219-2018, 3.6, with modifications]

3.2 intelligentdeviceintelligentdevice A device that integrates intelligent technology and has functions of perception, analysis, decision-making, control, and execution.

3.3 smartlogistics Based on the Internet of Things technology, comprehensive use of big data, cloud computing, blockchain and related information technology, through comprehensive perception, identification, tracking Logistics operation status, realize real-time response, intelligent optimization decision-making logistics service system. [Source: GB/T 18354-2021, 3.34]

3.4 A series of intelligent logistics activities implemented to meet customer logistics needs and their results.

2 Normative references

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

GB/T 18354 Logistics Terminology

3 Terms and Definitions

GB/T 18354 and the following terms and definitions apply to this document.

3.1 intelligenttechnology Technology that makes a product or thing have characteristics similar to human intelligence. Note

4.1 Features

4.1.1 Perceivable. Obtain the real-time status of logistics services through technical means

such as data capture, collection and uploading.