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

GB/T 42381.120-2023

**Data quality - Part 120: Master data: Exchange of characteristic
data**

数据质量 第120部分：主数据：特征数据交换：溯源性

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document is Part 120 of GB/T 42381 "Data Quality". GB/T 42381 has released the following parts.

---Part 8: Information and data quality. Concepts and measurements;

---Part 61: Data Quality Management. Process Reference Model;

---Part 62: Data quality management. Organizational process maturity assessment.
Application of relevant standards for process assessment;

---Part 63: Data quality management. process measurement;

---Part 120: Master data. Characteristic data exchange. Traceability;

---Part 130: Master data. Characteristic data exchange. Accuracy;

---Part 140: Master data. Characteristic data exchange. Integrity.

This document is equivalent to ISO 8000-120:2016 "Data Quality Part 120: Master Data. Characteristic Data Exchange. Traceability".

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

Introduction

Create, collect, store, maintain, transmit, process and present information and data in order to support business processes in a timely and cost-effective manner, which requires solving Determine the relevant characteristics of information and data quality, and also need to measure, manage and report information and data quality.

GB/T 42381 defines the relevant characteristics that determine information and data quality, and provides methods for managing, measuring and improving information and data quality.

Methods. These given methods can be used to assess the quality of information and data. expectations and requirements for a given approach, oriented to the current business case Making cuts is also important.

GB/T 42381 includes parts that apply to all data types, as well as parts that apply to specific data types. GB/T 42381 both it can be used independently or in conjunction with a quality management system.

GB/T 42381 "Data Quality" is intended to be composed of the following series.

---Parts 1 to 99.Overview of data quality. This series gives the structure of the data quality standards series, which cover Basic concepts, data quality management, data quality assessment and other comprehensive contents.

---Part 100~Part.199.Master data quality. Master data describes individuals, organizations, locations, items, services, processes, rules and standard. This family of standards describes the characteristics that define the quality of master data. These features include. semantics, grammatical encoding, consistency of requirements integrity, data provenance, accuracy, completeness and data governance. This series of standards specifies some master data information that is used in the overall to ensure the reliability of data communication between the information sender and the receiver.

---Part.200~Part 299: Transaction data quality. Transaction data describes time events, including individuals, organizations, locations, items, Services, processes, rules and standards. This family of standards describes the characteristics that define transactional data quality. These features include. semantics, language Legal coding, consistency of requirements, data provenance, accuracy, completeness and data governance. This series of standards specifies some business matters Service data information, which generally ensures the reliability of data communication between the information sender and the receiver.

---Part 300~Part 399: Product data quality. Product data quality is a measure of the correctness and applicability of product data. Product Data can ensure that the data can be provided to users who need the data in a timely manner. Product data is the data needed for products from concept to manufacturing.

according to. Therefore, products include not only computer-aided design (CAD) data, but also computer-aided manufacturing (CAM), computing Data engineering (CAE) data, product data management (PDM) data, and other types of data. Product data quality series standards the main intention of the standard is to improve the efficiency of coordinated product development by reducing duplication of work on the data receiving end.

GB/T 42381 "Data Quality" is intended to consist of the following parts.

---Part 1: Overview. The purpose is to explain the scope and structure of GB/T 42381 (all parts), and to explain GB/T 42381 Relationship to other standards.

---Part 2: Terminology. The purpose is to provide terminology and vocabulary used in GB/T 42381 (all parts).

---Part 8: Information and data quality. Concepts and measurements. The purpose is to illustrate the measurement when performed in quality management processes and systems Prerequisites for information and data quality.

---Part 51: Data Governance. Policy Statement for Data Exchange. The purpose is to support data governance policy statement exchange and automated testing.

Test whether the data set meets the requirements of the policy statement.

---Part 61: Data Quality Management. Process Reference Model. The purpose is to describe the model's ability to support assessment and improvement processes.

capabilities and improve the organization's maturity in data quality management.

---Part 62: Data quality management. Organizational process maturity assessment. Application of relevant standards for process assessment. The purpose is to describe the group How organizations use the maturity model to assess the maturity of their processes related to data quality management specified in GB/T 42381.61.

---Part 63: Data quality management. process measurement. The purpose is to specify a

process suitable for use when assessing process maturity.

process measurement method.

---Part 65: Data quality management. Process measurement scales. The aim is to establish a simple measurement method to evaluate organizational Implementation of data quality management.

---Part 66: Data quality management. Evaluation indicators for data processing in production operations management. The purpose is to identify the factors that arise in a manufacturing organization Process maturity for data quality management of production operations management data.

---Part 81: Data Quality Assessment. Data Collection. The purpose is to apply analytical techniques to the element analysis of data in practical use.

analysis method.

---Part 82: Data Quality Assessment. Creating Data Rules. The purpose is to specify how different data rules apply to various classes type of data.

---Part 100: Master Data. Characteristic Data Exchange. Overview. The purpose is to provide an introduction to master data, the data architecture of master data, and high-level level data model and a description of each part in the group.

---Part 110: Master data. Characteristic data exchange. syntax, semantic encoding and conformance to data specifications. The purpose is to provide Computer-enabled inspection requirements for the exchange of master data consisting of characteristic data.

---Part 115: Master data. Quality identifier exchange. Syntax, semantics and parsing requirements. The purpose is to provide components for the exchange of master data Requirements for identifiers of various parts.

---Part 116: Master data. Quality identifier exchange. Application of ISO 8000-115 authorized entity identifiers. The purpose is to express Authorized Legal Entity Identifier (ALEI) requirements.

---Part 120: Master data. Characteristic data exchange. Traceability. The purpose is to describe the source of master data consisting of characteristic data Requirements for the presentation and exchange of information.

---Part 130: Master data. Characteristic data exchange. Accuracy. The purpose is to provide an accurate view of the master data consisting of characteristic data Representation and exchange of sexual information.

---Part 140: Master data. Characteristic data exchange. Integrity. The purpose is to provide a complete view of the master data consisting of characteristic data Representation and exchange of sexual information.