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

GB/T 42381.130-2023

**Data quality - Part 130: Master data: Exchange of characteristic
data: Accuracy**

数据质量 第130部分：主数据：特征数据交换：准确性

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Foreword

This document is an optional addition to GB/T 42381.120 and specifies requirements for representation and exchange of information about accuracy of master data that consists of characteristic data.

Note 1: ISO 8000-110 specifies that such data be represented as property values. ISO 8000-120 provides additional requirements for property values when data provenance information needs to be captured.

This document does not specify a complete model for characteristic data, nor does it specify an exchange format for characteristic data with data accuracy information.

Note 2: This is done in other standards that reference this document, e.g. ISO/TS 22745-40.

The following are within the scope of this part of this document:

- requirements for capture and exchange of data accuracy information in the form of statements and assertions of data accuracy;
- conceptual data model for data accuracy information in the form of statements and assertions of data accuracy.

The following are outside the scope of this document:

- requirements for data accuracy;

Note 3: The requirements for data accuracy depend on many factors, e.g. the kind of data, how the data are being used, industry, and needs of the partners exchanging the data. It is not possible to state general requirements for data accuracy.

- exchange format for data accuracy information;
- scheme for registering and resolving organization identifiers and person identifiers;
- accuracy of data that are not characteristic data represented as property values;

- syntax of identifiers;
- resolution of identifiers.

Some of the requirements in this document can apply to exchange of data that is not master data which consists of characteristic data represented as property values.

Annex A specifies the identification of this document in the information system.

Annex B gives the information to support implementations.

1 Scope

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2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8000-2 Data quality- Part 2: Vocabulary

ISO 8000-120 Data quality - Part 120: Master data : Exchange of characteristic data:

Provenance Note: GB/T 42381.120-2023 Data quality - Part 120 : Master data : Exchange of characteristic data : Provenance (ISO 8000-120:2016, IDT)

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3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8000-2 apply.

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5 General

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6.1 Referenced types and entities

The following types and entities are used by the accuracy model:

- ISO_6523_identifier, defined in ISO 8000-120;
- date_and_time, defined in ISO 8000-120;
- property_value_assignment, defined in ISO 8000-120.

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6.2 Diagram

The UML class diagram for the accuracy model is given in Figure 1.

Note: The entity property_value_assignment is the intersection point between this data model and the target data model: the model of data for which accuracy information is to be recorded. When the data model in Clause 6 is integrated with the target data model, this entity needs to be replaced with the appropriate entity from the target data model.

An accuracy_event is an event for which data accuracy information is recorded.

Attribute definitions:

details: the details of the accuracy_event.property

Note 1: This could include the text of the statement or assertion of accuracy.