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PEOPLE'S REPUBLIC OF CHINA**

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Replacing GB/T 20538.1-2006

**Electronic business eXtensible Markup Language (ebXML)
business data and process - Part 1: Core components data type
catalogue**

基于XML的电子商务业务数据和过程 第1部分：核心构件数据类型目录

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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 for standardization documents" Drafting.

This document is Part 1 of GB/T 20538 "XML-based e-commerce business data and processes".

The following parts are published.

- Part 1: Catalog of core component data types;
- Part 2: Business Information Entity Directory;
- Part 6: Technical review organization and procedures;
- Part 7: Technical review guidelines.

This document replaces GB/T 20538.1-2006 "XML-based e-commerce business data and processes Part 1: Core components Compared with GB/T 20538.1-2006, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

a) Deleted the maintenance and management of the core component directory (see

Chapter 4 of the 2006 edition);

b) Added "Method of Representation" (see Chapter 4);

c) Deleted "Representation specifications for basic core components and aggregated core components" (see 5.3 of the 2006 edition);

d) Increase the number of core component data types from 10 to 23, and modify and improve the content components and supplementary components (see Chapter 5, Tables 1 and 2 of the 2006 edition);

e) Deleted the "Basic Core Component Catalog" and "Aggregate Core Component Catalog" (see 6.2 and 6.3 of the 2006 edition);

f) Added "Catalog of Content Components and Supplementary Components" (see Chapter 6).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the National Technical Committee for Standardization of Electronic Business (SAC/TC83).

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The previous versions of this document and the documents it replaces are as follows.

- First published in 2006 as GB/T 20538.1-2006;
- This is the first revision.

Introduction

For a long time, Extensible Markup Language (XML) has been widely used to express and exchange e-commerce business data and processes.

The United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT) and the Organization for the Advancement of Structured Information Standards (OASIS) have jointly developed the XML-based e-commerce (ebXML) standard, which was adopted as ISO 15000.

In accordance with the principle of actively adopting appropriate international standards, China has modified ISO 15000 and adopted it as the GB/T 19256 series of standards.

GB/T 19256.5 specifies the design method of expressing common semantic building blocks of business data types, as well as the generation of new business vocabulary and the integration of existing business vocabulary.

This document complies with the requirements of GB/T 19256.9 for component core component data type (CCDT).

The CCDT and related attributes are specified in the form of a directory.

Given the importance and increasing use of ebXML standards, UN/CEFACT is responsible for updating and maintaining CCDT to ensure Meet actual needs in a timely manner and promote rapid economic and social development.

Currently, UN/CEFACT has updated the Core Components (CC) version 1.04 to CCDT version 3.1.

20538.1-2006 refers to CC version 1.04. In view of the international situation, the CCDT version 3.1 of UN/CEFACT is used as the reference.

Based on the content of the revised GB/T 20538.1-2006, combined with the actual needs of China's e-commerce business and technology development, it is particularly important to revise the For urgent.

According to the life cycle management process of data and process of e-commerce business data based on XML, GB/T 20538 The E-commerce Business Data and Processes is planned to consist of seven parts.

- Part 1: Core component data type directory. The purpose is to identify the core components used by XML-based e-commerce business File data type directory.
- Part 2: Business Information Entity Directory. The purpose is to provide information entities used in XML-based e-commerce business Table of contents.
- Part 3: Message Directory. The purpose is to provide a message directory used by XML-based e-commerce services.
- Part 4: Business process component catalog. The purpose is to provide the business process components used by XML-based e-commerce business. File directory.
- Part 5: Special code table. The purpose is to provide the code table used by XML-based e-commerce business.

- Part 6: Technical review organization and procedures. The purpose is to determine the technical review of the dynamic maintenance management of directories, messages and codes Organization and procedures.

- Part 7: Technical Review Guidelines. The purpose is to determine the technical review guidelines for dynamic maintenance and management of directories, messages and codes.

XML-based e-commerce business data and processes Part 1: Catalog of core component data types

1 Scope

This document specifies the representation method of core component data types, the core component data type directory, content components and supplementary component directory.

This document is intended for users and system developers of XML-based e-commerce business data.

2 Normative references

GB/T 19256.5

3 Terms and Definitions

The terms and definitions defined in GB/T 19256.5 and the following apply to this document.

3.1 type

Data used for the value range (set of valid values) of a specific Basic Core Component (BCC) attribute or Basic Business Information Entity (BBIE) attribute

4.1 Representation of Core Component Data Types

Each CCDT should have the following properties.

- a) Identification. The unique identifier of CCDT in the data dictionary, which is a combination of capital letters DE and 3 Arabic numerals. express;
- b) Dictionary entry name, the unique Chinese name of CCDT in the data dictionary;
- c) English standard name, the only English name of CCDT in the data dictionary;
- d) define, the unique semantic meaning of CCDT;
- e) Notes, instructions for use of CCDT and other supplementary instructions;