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

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Replacing GB/T 19256.9-2006

**Electronic business extensible markup language (ebXML) - Part
5: Core components specification**

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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 5 of GB/T 19256 "E-Commerce Based on XML". GB/T 19256 has published the following parts.

--- Part 5. Core component specification;

--- Part 8. Message design rules.

This document replaces GB/T 19256.9-2006 "XML-Based Electronic Commerce Part 9. Core Components and Business Information Entities

Specification", GB/T 19256.9-2006 shall be abolished from the date of implementation of this document. Compared with GB/T 19256.9-2006, this document except the structure

In addition to adjustments and editorial changes, the main technical changes are as follows.

a) The "Introduction" has been subdivided, and the key concepts of the 2006 edition have been changed and included (see the introduction, GB/T 19256.9-2006

"Introduction", Chapter 5);

b) Changed the definitions of some terms in "Terms and Definitions" (see Chapter 3, 3.1 of GB/T 19256.9-2006), added "library

Class" terms and definitions (see 3.30);

c) Deleted "symbol" (see 3.2 of GB/T 19256.9-2006), deleted "consistency" (see GB/T 19256.9-2006

Chapter 4);

d) Added a description of the rules that the core components should follow (see 4.1);

e) The definition rules of the core components of the elements (see 4.5.2.4), the rules of the number of occurrences (see 4.5.2.6) are added, and the element "BIE" is added

Rules for the number of occurrences (see 4.5.3.5), rules for the number of "DT" occurrences (see 4.5.4.4) and allowed values (see 4.5.4.5);

f) The general rules of element CC (see 6.1.4.1.2 of GB/T 19256.9-2006), defined rules (see

6.1.4.1.3 of GB/T 19256.9-2006), the rules for deleting redundant words in characteristic words (see GB/T 19256.9-2006

C28 in 6.1.4.1.4), delete the general rules of the element BIE (see 6.1.4.2.2 of GB/T 19256.9-2006), DT

General rules (see 6.1.4.3.2 of GB/T 19256.9-2006) and CC catalogs (see GB/T 19256.9-2006

6.1.5) and BIE catalog (see 6.1.6 of GB/T 19256.9-2006);

g) Changed the rules for the entry names of the element core component dictionary (see 4.5.2.5, 6.1.4.1.4 of GB/T 19256.9-2006), CC

Rules for item names (see 4.5.2.3, 6.1.4.1.4 of GB/T 19256.9-2006), BIE definition rules (see 4.5.3.3,

6.1.4.2.3 of GB/T 19256.9-2006), rules for BIE dictionary entry names (see 4.5.3.4, GB/T 19256.9-

2006's 6.1.4.2.4), DT definition rules (see 4.5.4.2, GB/T 19256.9-2006's 6.1.4.3.3), DT dictionary entry

Rules for item names (see 4.5.4.3, 6.1.4.3.4 of GB/T 19256.9-2006) and allowed

expressions (see 4.5.4.6,

6.1.4.3.5 of GB/T 19256.9-2006);

h) Delete the constraint language of context (see 6.2.1.2 of GB/T 19256.9-2006);

i) Changed the approved context category (see 5.3.1, 6.2.2 of GB/T 19256.9-2006), description rules of business process context

(see 5.3.2.1, 6.2.2.1 of GB/T 19256.9-2006), description rules for product classification context (see 5.3.2.2,

6.2.2.2 of GB/T 19256.9-2006), description rules of industry classification context (see 5.3.2.3, GB/T 19256.9-2006

6.2.2.3), the description rules of the official constraint context (see 5.3.2.5, 6.2.2.5 of GB/T 19256.9-2006), business process

The description rules of role context (see 5.3.2.6, 6.2.2.6 of GB/T 19256.9-2006), the description rules of supporting role context

(see 5.3.2.7, 6.2.2.7 of GB/T 19256.9-2006), description rules of system capability context (see 5.3.2.8,

6.2.2.8 of GB/T 19256.9-2006), changed the description rules of geopolitical context (see 5.3.2.4, GB/T 19256.9-

6.2.2.4 of.2006);

j) Change the value rules of the context value (see 5.3.3, 6.2.3 of GB/T 19256.9-2006);

k) Deleted the description rules of the CC context constraint language (see 6.2.4 of GB/T 19256.9-2006);

l) Delete the storage of CC context in the registration system/repository (see Chapter 7 of GB/T 19256.9-2006);

m) Increase the elaboration of standard compliance (see Chapter 6);

n) Changed "Approved CCT, Content Component Supplementary Components, and Allowed Designations" to "Approved CCT" "Approved

CCT Content Components and Supplementary Components" "Permissible Expressions" (see Appendix B, Appendix C, Appendix D, GB/T 19256.9-

Chapter 8 of.2006);

o) Added the definition of basic types (see Appendix A).

This document is equivalent to ISO 15000-5.2014 "XML-based e-commerce Part 5.Core

Component Specification (CCS)".

The following minimal editorial changes have been made to this document.

--- In order to coordinate with existing standards, change the name of the standard to "XML-based e-commerce Part 5.Core Component Specification";

---Supplemented the attributes of "Participants.Details" in Figure 1 and "Trade Participants.Details" in Figure 3;

---Added examples in [C10], [C11], [C15], [C17] in 4.5.2.5.

---Changed references.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

0.1 Summary

GB/T 19256 currently intends to include the following parts.

--- Part 1.Message Service Core Specification. The purpose is to provide various organizations with a method independent of the communication protocol to exchange Electronic business messages.

--- Part 2.Statement of applicability of message services. The aim is to provide "just enough" to achieve ISO 15000-1.2021

The design principles and the B2B messaging specification for simpler Web services.

--- Part 3.Registration and repository. The purpose is to provide registration and storage mechanisms for metadata types and services.

--- Part 5.Core component specification. The purpose is to provide a core component design method for expressing business data.

--- Part 8.Message design rules. The purpose is to provide a set of methods for designing business messages for the business based on the core components.

New sections may be added in the future.

This document describes a new approach to interoperability between e-business domain applications. Traditional business data exchange standards

To focus on static information, this can not achieve satisfactory results. Therefore, a more flexible and interoperable business language is required

method of standardization.

The core components of this document provide a means of developing a common set of semantic building blocks that represent