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

GB/T 16262.2-2025

Replacing GB/T 16262.2-2006

**Information technology - Abstract Syntax Notation One (ASN.1)
- Part 2: Information object specification
(English Translation)**

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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 2 of GB/T 16262 "Abstract Syntax Notation for Information Technology One (ASN.1)". GB/T 16262 has been published.

The following 4 parts.

- Part 1: Basic notation specification;
- Part 2: Information object specifications;
- Part 3: Constraint specifications;
- Part 4: Parameterization of the ASN.1 specification.

This document replaces GB/T 16262.2-2006 "Information technology Abstract syntax notation one (ASN.1) Part 2: Information object specification Compared with GB/T 16262.2-2006, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed the definition of "expanded form of informally described information object category" (see 9.16, 9.16 of the 2006 edition), and cannot be used "word" symbol for "literal" (see 10.6, 10.6 of the 2006 edition) and "XMLObject-ClassFieldValue" notation (See 14.6, 14.6 of the 2006 edition);
- Added the relevant provisions for the "xmlhstring" alternative notation for "XMLOpenTypeFieldVal" (see 14.9.2) and "from the client relevant provisions of the "Information on the Entity" section (see 15.12).

This document is equivalent to ISO/IEC 8824-2:2021 "Abstract Syntax Notation for

Information Technology One (ASN.1) Part 2: Information Objects "Body Standards".

The following minimal editorial changes were made to this document.

--- Added the title "Table 2, Table 3, Table 4, Table 5" (see 15.4).

Introduction

GB/T 16262 aims to standardize abstract syntax notation. The compilation of GB/T 16262 is based on ISO/IEC 8824. According to ISO/IEC 8824, GB/T 16262 is intended to consist of four parts.

--- Part 1: Basic notation specification. The purpose is to define data types, values and constraints on data types.

--- Part 2: Information object specifications. The purpose is to provide information object categories, information objects and information object sets.

Memorization method.

--- Part 3: Constraint specification. The purpose is to provide a notation for specifying user-defined constraints, table constraints and content constraints.

--- Part 4: Parameterization of ASN.1 specifications. The purpose is to define the parameterization notation of ASN.1 specifications.

Information technology Abstract Syntax Notation One (ASN.1) Part 2: Information object specifications

1 Scope

This document is part of the Abstract Syntax Notation One (ASN.1) and specifies information object classes, information objects, and information object sets.

The notation of.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 16262.1-2025 Information technology Abstract syntax notation 1 (ASN.1) Part 1: Basic notation specification (ISO/IEC 8824-1:2021, IDT) GB/T 16262.3-2025 Information technology Abstract syntax notation 1 (ASN.1) Part 3: Constraint specification (ISO/IEC

8824-3:2021,IDT) GB/T 16262.4-2025 Information technology Abstract Syntax Notation One (ASN.1) Part 4: Parameterization of ASN.1 specifications (ISO/IEC 8824-4:2021, IDT)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Basic Notation Standards

This document uses the terms defined in GB/T 16262.1-2025.

3.2 Constraint Specification

This document uses the following terms defined in GB/T 16262.3-2025.

Table constraint.

3.3 Parameterization of the ASN.1 Specification

This document uses the following terms defined in GB/T 16262.4-2025.

a) parameterized type;

b) parameterized value.

associatedtable

An information item that can be derived from an object or set of objects by expanding the hierarchy created by existing link fields (see 3.4.15)