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XML User's guide

XML使用指南

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Foreword

This guidance technical document is for reference only. For advice and comments on this guidance document, please refer to the Standardization Administration of the State Council. The management department reflected. Appendix A and Appendix B of this guidance document are informative annexes. This guidance technical document was proposed by the Ministry of Information Industry of the People's Republic of China. This guidance technical document is under the jurisdiction of the China Electronics Standardization Institute. This guiding technical document drafting unit. China Electronics Technology Standardization Institute, Beijing Information Engineering Institute, Wanda Information Technology Corporation, Beijing Aerospace University, Founder Electronics Technology Corporation. The main drafters of this guiding technical document. Li Ning, Gu Xiaoyi, Lin Xuelian, Wang Guoyin, Wu Zhigang, Zhao Jinghua.

This guidance document specifies the principles and considerations that should be followed when using Extensible Markup Language (XML) for XML. Developers, managers, users, and others who care about XML usage. Extensible Markup Language (eX-) is described in GB/T 18793-2002 Information Technology Extensible Markup Language (XML)

1.0 tensibleMarkupLanguage, XML). It is the standard universal markup language (StandardGenericMarkupLanguage, A subset of SGML, the purpose of which is to enable SGML documents to be sent, received, and like HTML documents in a web application.

deal with. To this end, XML is designed to be easy to implement and interoperable with SGML and HTML. It's for web apps, Simplified some of the less common content of SGML. The XML defined in GB/T 18793-2002 is a set of rules used to construct semantic markup, through which each of the markup documents The parts can be organized and structured and verified according to a predefined semantic structure. The focus of GB/T 18793-2002 is on The DTD describes the syntax of the core XML itself, and does not include the content of the Schema. The specific usage method is also rarely involved there. And, these will be explained in this guidance technical document to help promote the use of XML. This guidance document also gives the Ministry An example of using XML. This guidance document provides a guide to the design of consistent, reasonable DTDs and Schemas. The framework will help to better understand XML, reuse XML components, and achieve good interoperability. The focus of this guidance document is on how to use meta-language standards and basic standards to define application standards. The core is industry applications. The design of the vocabulary. In this guidance technical document, some of the content is only applicable to Schema or only to DTD, and will be specifically marked. not Both parts that are specifically marked are suitable. In addition, for the convenience of reference, most of the title titles of this guidance technical document are directly adopted. The form of a principled statement. XML usage guide

1 Scope

This guiding technical document gives the principles that guide the writing of XML documents, including the principle of conformity with standards, the principles of internationalization and localization, the principles of component naming, the principles of the use of namespaces, the principles of writing vocabularies, the principles of the use of types, elements and attributes, the principles of the use of versions and comments, the principles of writing instance documents, XML parsers and their selection, the application development process and the registration rules. This guiding technical document applies to developers and users of XML of every kind.

This guidance document gives guidelines for the development of XML documents, including standard compliance principles, internationalization and localization. Principles, component naming principles, namespace usage principles, vocabulary writing principles, usage rules for types, elements and attributes, versions and comments Use principles, examples of writing principles, XML parsers and selection, application development processes and registration procedures. This guidance document is intended for use by all types of developers and users of XML.

2 Normative references

The terms of the following documents are incorporated into the terms of this guidance document by reference to this guidance. Any dated Reference documents, all subsequent

amendments (not including errata content) or revisions do not apply to this guidance technical document, however, drums The parties that have reached an agreement under this guidance document will investigate whether the latest versions of these documents are available. Any undated reference The latest version of the document applies to this guidance document.

GB/T 1988-1998 Seven-digit coded character set for information technology information exchange (eqv ISO 646.1991)

GB 2312-1980 Basic set of Chinese character coded character set for information exchange

GB/T 13000.1 Information Technology General Multi-Bit Coded Character Set (UCS) Part 1. Architecture and basic multi-language Surface (

GB/T 13000.1-1993, idt ISO / IEC 10646-1.1993)

GB/T 14814-1993 Information Technology Text and Office System Standard Universal Markup Language (SGML) (idt ISO 8879. 1986)

GB 18030-2000 Extension of the basic set of Chinese character coded character sets for information technology information exchange

GB/T 18391 (all parts) Specification and standardization of information technology data elements

GB/T 18793-2002 Information Technology Extensible Markup Language (XML) 1.0 (neqW3CRFC-xml-19980210. 1998)

3 Terms and definitions

The following terms and definitions as defined in GB/T 18793-2002 apply to this guidance document.

3.1 The XML application interface developed by the W3C. It represents the XML document as a tree structure. The DOM specifies a series of Programming instructions that allow an application to access and manipulate components of the document tree multiple times.

3.2 Define and describe data for other data.

3.3 A resource catalog and description in accordance with the XHTML format for providing users with information about target resources.

3.4 XHTML W3C XML vocabulary for HTML.