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

GB/T 17628-2008

Replacing GB/T 17628-1998

Information technology -- Open-edi reference model

信息技术 开放式edi参考模型

(English Translation)

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Foreword

This standard is identical with ISO/IEC 14662:2004 "Information technology - Open-edl Reference Model" (in English).

This standard replaces GB/T 17628-1998 "Information technology - Open-edl Reference Model." this standard compared with GB/T 17628-1998, the main changes are as follows.

a) redefine the business operational view (BOV), from the perspective of a "business

transaction, which is limited to the description of Business Exchange Commitment required to make business decisions and organizations related aspects. "Read." a perspective of business transactions, it is limited to 'Person or legal entity' between doing business aspects related to decisions and commitments, and commitments are described in these decisions need Business Exchange of".

b) adding a new term "person or legal entity."

c) an increase of 0.3 INTRODUCTION business transactions and commitment exchange Context "person or legal entity," "natural" and "party" in usage.

d) Appendix C increases C. 3 role-based behavioral UML description method.

e) Remove the ISO/IEC foreword.

The Standard Appendix A, Appendix B, Appendix C, Appendix D is an informative annex.

The standard proposed by China National Institute of Standardization.

This standard by the National Information Technology Standardization Technical Committee.

This standard drafting units. China National Institute of Standardization, Chengdu Institute of Standardization.

Introduction

Electronic Data Interchange (EDI) advantage in the economy has been widely recognized. However, due to be established between the relevant business partner Detail of bilateral business and technical agreements, the cost of establishing EDI relationship is still very high. Establishment of bilateral business and technical agreements costly the initial cost is not suitable for short-term partnership, also includes a large number of business partners EDI agreement between the management and implementation is also not effective beneficial. Therefore, most of EDI implementation only successfully applied.

--- A long-term business partners;

--- Limited number of partners.

Screenplay by introducing standard business and support services they need, Open-edi reduce these obstacles. Once agreed business drama this, and its implementation in line with the open-edi standards, you do not need a pre-established agreement between trading partners, we will only need to participate in line with industry Service decided to play the Open-edi transactions. Since the Open-edi adopt a common approach, it is possible to quickly and economically build the participating organizations Establish short-term relationship; at the same time, the script and the required business support services available to all users who want to use them, and therefore for the implementation of the

open Edi formula provides the necessary tools.

Open-edi apply and cross-industry (such as public/private, industry, geography) of multiple autonomous organizations business transaction Electronic processing. It includes involving business transactions, such as the number of characters, images, sounds, a variety of data types.

Between the organizations should be working with each other via interconnected information systems, in order to provide mutual work required standards, and the initial establishment of an open edi reference model. The model is independent of the following specific areas.

--- IT implementation;

--- Business content or conventions;

---Business Activity;

Participants --- operational activities.

Open-edi Reference Model identifies the Open-edi standards required, and by defining the basic concepts needed for the development of these standards Provide a reference for them. It serves as the foundation and EDI standardization related to different agencies to coordinate efforts. It was mentioned that coordination for framework, but also provide a framework for existing standards and to develop standard integration and the development of future standards. Open-edi reference model test Taking into account existing EDI standards. Appendix A gives some open-edi standardization and standardization activities types is given in Appendix B to open Some demand-edi standards.

Open-edi Reference Model uses two views to describe the business transaction concerned.

--- Business Operation View (BOV);

--- Function Service View (FSV).

BOV describes the following aspects.

- a) the semantics of business transactions and related data exchange business data;
- b) applies to the business needs of Open-edi business transaction rules, including.
 - 1) Operation conventions;
 - 2) Agreement;
 - 3) obligation to each other.

FSV Open-edi description meet the requirements of the mechanism of support services. It focuses on the following description of several aspects of information technology.

- a) functional capabilities;

b) service interface;

c) protocol.

These functional capabilities, services interfaces and protocols include.

GB/T 17628-2008/ISO/IEC 14662:2004

--- Initiation, operation and the ability to track open-edi transaction process;

--- User application interface;

--- Delivery infrastructure interfaces;

--- Security mechanism to deal with;

--- Protocol different organizations IT systems work with each other;

--- Translation mechanism.

Edi required standard open covering a wide range of areas, including, but not limited to, the following aspects.

--- Business;

--- Support national and international laws and regulations;

--- IT common standards, such as information modeling standards;

--- Software engineering standards;

--- Data modeling standards;

--- Industry-specific information technology standards;

By the use

4 BOV Data Modeling Language User Guide message standards define the actual test data

5. FSV technology tools, technical interoperability standards outline interoperability standards for software and hardware GB/T 17628-2008/ISO/IEC 14662:2004

Table Type 2 form completed different tasks involved in each box of tissues

Yuan standard

standard

guide

product

Consistency and Certification by the use 1. Organizational framework of environmental laws