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

GB/T 17173.2-2015

Replacing GB/T 17173.2-1997

**Information technology -- Open systems interconnection --
Distributed transaction processing -- Part 2: OSI TP service**

信息技术 开放系统互连 分布式事务处理 第2部分：OSI TP服务

(English Translation)

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Foreword

GB/T 17173 "Information technology - Open Systems Interconnection - Distributed Transaction Processing" currently consists of the following three parts.

--- The first part 1. OSITP model;

Part --- Article 2. OSITP services;

--- Part 3. Protocol specification.

This section GB/T 17173 Part 2.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 17173.2-1997 "Information technology - Open Systems Interconnection - Distributed Transaction Processing - Part 2.

OSITP service. "

Section compared with the GB/T 17173.2-1997, major changes in the following.

a) Updated Chapter 3, 5.3, 7.1, 7.2, 9.2, 10.2 ~ ~ 10.6, 12.2, 12.3, 13.2, 13.3, 14.5 14.18 and Appendix A content;

b) an increase of 14.27 14.2.2 ~ ~ 14.2.9, 14.19 and other content.

This section uses the translation method identical with the international standard ISO/IEC 10026-2:1998 "Information technology - Open Systems Interconnection - Distributed Transaction Processing - Part 2. OSITP service. " this part of the National Information Technology Standardization Technical Committee (SAC/TC28) and focal points.

This section drafted by. China Electronics Standardization Institute.

Introduction

GB/T 17173 series of standards is one of the computer systems in order to facilitate the interconnection enacted. This standard according to OSI reference Networking standards associated with the test model (GB/T 9387.1-1998) specified. The interconnect standard reference model range is divided into a series of Layer specifically described, each size is manageable.

OSI's goal is to allow the use of other than the interconnect standard minimum of technical agreement, to achieve interconnection of the following computer system.

- a) from different manufacturers;
- b) under different management mechanisms;
- c) the use of different levels of complexity;
- d) different technologies.

GB/T 17173 defines OSITP model, OSITP services and provisions available in the application layer of the OSI reference model OSITP agreement.

OSITP service application layer services. It involves contact information for the transaction can be identified, then the transaction may involve two or more open Release system.

GB/T 17173 in this section defines the basic OSITP service. It provides sufficient functionality to support transaction processing, and construction Establish a framework to coordinate the open system in all the many OSITP resources.

GB/T 17173 does not provide an interface or access within the local system of local resources. Thus, after the standard extension We will deal with these issues.

Information technology - OSI Distributed Transaction Processing Part 2. OSITP Service

1 Scope

GB/T 17173 in accordance with this section defines the following abstract manner distributed transaction processing service application layer.

- a) service primitive actions and events;
- b) associated with each service primitive actions and events associated parameter data;
- c) the relationship between these actions and events and their effective order.

This section does not specify individual implementations or products, there is no limit to implement a computer system or interface entity.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 9387.1-1998 Information technology - Open Systems Interconnection - Basic Reference Model - Part 1. Basic Model (ISO/IEC 7498-1:1994, IDT) GB/T 9387.3-2008 Information processing systems - Open Systems Interconnection - Basic Reference Model - Part 3. Naming and addressing (ISO/IEC 7498-3:1997, IDT) GB/T 16688-2008 Information technology - OSI Association Control Service Element Service Definition (ISO/IEC 8649.1996, IDT)

GB/T 17173.1-2015 Information technology - Open Systems Interconnection - Distributed Transaction Processing - Part 1. OSITP model (ISO/IEC 10026.1:1998, IDT) GB/T 17173.3-2014 Information technology - Open Systems Interconnection - Distributed Transaction Processing - Part 3. Protocol specification (ISO/IEC 10026.3:1998, IDT) GB/T 17967-2000 Information technology - Open Systems Interconnection - Basic Reference Model. OSI service definition conventions (idt ISO/IEC 10731:1994)

3 Terms and Definitions

GB/T 17173.1-2015 and as defined in the following terms and definitions apply to this document.

Dialogue establishment indication unfinished dialogueestablishmentindicationoutstanding A conversational state in which the TP-BEGIN-DIALOGUE indication has been issued, and the Confirmation parameter set "Always" but no TP-BEGIN-DIALOGUE response to answer.

Session establishment request unfinished dialogueestablishmentrequestoutstanding A conversational state in which TP-BENGIN-DIALOGUE request has been issued, and the

Confirmation parameter set