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

**GB/T 17178.7-2011**

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**Information technology -- Open systems interconnection --  
Conformance testing methodology and framework -- Part 7:  
Implementation conformance statements**

信息技术 开放系统互连 一致性测试方法和框架 第7部分：实现一致性声明  
**(English Translation)**

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## Foreword

GB/T 17178 "Information technology - OSI conformance testing methodology and framework" is divided into seven sections.

--- Part 1. Basic Concepts;

--- Part 2. Abstract test suite specification;

--- Part 3. a combination of tree and table notation;

--- Part 4. Test realization;

--- Part 5. Testing laboratories and conformity assessment procedures on customer requirements;

--- Part 6. Protocol Profile Test Specification;

--- Part 7. Implementation Conformance Statement.

This part of GB/T 17178 Part 7.

This section according to GB/T 1.1-2009 given rule drafting.

This section uses the translation method identical with the international standard ISO/IEC 9646-7:1995 "Information technology - OSI consistency Testing methodology and framework - Part 7. Conformance testing method and framework" and Cor.1:1997, the terms of which have been involved through technical corrigendum Through its outer margin position vertical wire (||) were marked.

This section also made the following editorial changes.

--- Since this section does not reference ISO/IEC 7498-1:1994, so this section deletes from the original English standard corresponding Chapter 2 Reference Standard;

--- According to ISO/IEC 9646-7:1995/Cor.1:1997 modified the terms of the original international standard ISO/IEC 9646-7:1995 in Figures 2 and 3 have been part of Fig. 2 replace the present, while the number of other figures have been renumbered.

Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB/T 16682.1-1996 Information technology - Framework and taxonomy of international standardized profiles - Part 1. Framework (ISO/IEC TR10000-1:1990, eqv).

This part of the National Information Technology Standardization Technical Committee (SAC/TC28) and focal points.

## Introduction

GB/T 17178.1 defines terms and describes the general concept of protocol and profile testing. GB/T 17178.2 defines an OSI Conformance testing standards and standardized abstract test suite requires generated. GB/T 17178.3 defines a standardized test notation for the standard Abstract test suite specification Testing and Test Control Notation (TTCN). GB/T 17178.4 lists the test implementation requirements, GB/T 17178.5 lists the requirements for conformity assessment procedures. GB/T 17178.6 specifies the ISO protocol test specification generated contour Claim.

This section provides generation protocol, as well as the outline of an information object (such as managed objects) Implementation Conformance Statement (ICS) requirements.

GB/T 17178 requirements contained in the ICS OSI specification and its associated regulations outline the need for compliance testing information.

ICS proformas is to investigate the form of a table or checklist, the aim is to cover all the requirements, all the optional and conditional capabilities, Process elements, parameters, PDU, timers, etc., as well as other capacity specifications identified. ICS proforma completed by the supplier or implementations.

System Conformance Statement (SCS), an overview of ICS and their proforma given in Chapter 6.

Chapter 7 describes the structure of SCS proforma.

Chapter 8 describes the arrangement and outline requirements and ICS proforma specification requirements list (RL).

Chapter 9 provides a complete ICS proforma specification, including contour RL, and describes the requirements notation.

Appendix A provides a sense of ICS status values and supports the answer guide.

Appendix B provides an example of the profile RL and profile specific ICS's.

Appendix C provides examples of PICS proformas and profile RL table.

Appendix D provides additional guidance for explaining the state of notation.

Appendix E provides guidance IXIT proforma.

Appendix F provides information object information.

Appendix G provides a multi-specification dependency guidelines.

Appendix H provides a protocol data unit received a state parameter guide values.

Appendix I provides ICS template guide.

Information technology - OSI Conformance Testing Methodology and framework - Part 7.  
Implementation Conformance Statement

## 1 Scope

GB/T 17178 provisions of this section concerning OSI Implementation Conformance Statement (ICS) and the system specification Conformance Statement (SCS) of Concepts guide specifies requirements and gives the ICS generation, ICS proforma, ICS templates and outline requirements list (RL) guidelines.

This section GB/T 17178 specifies the file structure to be asking questions, the use of grammar and notation as well as the problems and the expected answers Semantics.

Due to the wide diversity of OSI specification conformance requirements stated, and therefore does not provide a common ICS template. However, this part of the regulations Given the general requirements applicable to any ISO specification.

In addition to the relationship between ICS and implement additional information about the test (IXIT) between guidelines, IXIT requirements and guidelines are beyond the section Range.

## 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 17178.1-1997 Information technology - OSI conformance testing methodology and framework - Part 1. Basic Concepts (Idt ISO/IEC 9646-1:1994) GB/T 17178.2-2010 Information technology - OSI conformance testing methodology and framework - Part 2. Abstract Test Sets Specification (ISO/IEC 9646-2:1994, IDT) GB/T 17178.4-2010 Information technology - OSI conformance testing methodology and framework - Part 4. Test realization (ISO/IEC 9646-4:1994, IDT) GB/T 17178.5-2011 Information technology - OSI conformance testing methodology and framework - Part 5. Compliance Review Assessment process of testing laboratories and customer requirements (ISO/IEC 9646-5:1994, IDT) GB/T 17178.6-2010 Information technology - OSI conformance testing methodology and framework - Part 6. Co meter contour Test specification (ISO/IEC 9646-6:1994, IDT) ISO/IEC TR10000-1:1990 Information technology - International Standardized Profiles framework and classification - Part 1. Framework (In-formationtechnology-Frameworkandtaxonomyofinternationalstandardizedprofiles-Part 1. Framework)