INTERNATIONAL STANDARD

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Information technology — Open Systems Interconnection — Virtual Terminal Basic Class Protocol —

Part 2:
Protocol Implementation Conformance Statement (PICS) proforma

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — Protocole de classe de base de terminal virtuel —

Partie 2: Déclaration de conformité de mise en œuvre du protocole (PICS)

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO and IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75% of the national bodies casting a vote.

International Standard ISO/IEC 9041-2 was prepared by Joint Technical Committee ISO/IEC JTC1, *Information technology,* Subcommittee SC21, *Open systems interconnection, data management and open distributed processing.*

This second edition cancels and replaces the first edition (ISO/IEC 9041-2:1993), which has been technically revised.

ISO/IEC 9041 consists of the following parts, under the general title *Information technology - Open Systems Interconnection - Virtual Terminal Basic Class Protocol:*

- *Part 1: Specification*

- *Part 2: Protocol Implementation Conformance Statement (PICS)* proforma

Annexes A and B form an integral part of this part of ISO/IEC 9041.

Introduction

ISO/IEC 9041 is one of a set of International Standards produced to facilitate the interconnection of information processing systems. It is related to other International Standards in the set as defined by the Reference Model for Open Systems Interconnection (ISO/IEC 7498-1). The Reference Model subdivides the area of standardization for interconnection into a series of layers of specification, each of manageable size.

The goal of Open Systems Interconnection is to allow, with a minimum of technical agreement outside the interconnection standards, the interconnection of information processing systems:

- from different manufacturers;

- under different managements;

- of different levels of complexity; and

- of different technologies.

ISO/IEC 9041-1 specifies the protocol for the application-service element for the Basic Class Virtual Terminal.

To evaluate the conformance of a particular implementation, it is necessary to have a description of the capabilities and options which have been implemented. Such a description is called a Protocol Implementation Conformance Statement (PICS).

This part of ISO/IEC 9041 includes the PICS proforma for the Basic Class Virtual Terminal protocol as defined in ISO/IEC 9041-1.

Information technology - Open Systems Interconnection - Virtual Terminal Basic Class Protocol -

Part 2:
Protocol Implementation Conformance Statement (PICS) proforma

1 Scope

This part of ISO/IEC 9041 provides the PICS proforma for the Basic Class Virtual Terminal protocol as specified in ISO/IEC 9041-1 in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-2.

This part of ISO/IEC 9041 defines a guideline to be used when appraising the conformance of Virtual Terminal implementations. It does not specify either the Virtual Terminal Protocol or the Virtual Terminal Service description.

2 Conformance

The supplier of a protocol implementation which is claimed to conform to ISO/IEC 9041-1 is required to complete a copy of the PICS proforma provided in annex A and is required to provide the information necessary to identify both the supplier and the implementation.

When an implementation is claimed to support more than one Application Profile, the PICS proforma may be completed either in respect of one Application Profile or, by the use of conditional support answers, in respect of the implementation as a whole. In the latter case the predicates referenced by the conditional answers shall be defined in the System Conformance Statement (SCS) that accompanies the completed PICS.

3 Normative references

ISO/IEC 9040 : 1997, *Information technology - Open Systems Interconnection - Virtual Terminal Basic Class Service.*

ISO/IEC 9041-1 : 1997, *Information technology - Open Systems Interconnection - Virtual Terminal Basic Class Protocol - Part 1: Specification.*

ISO/IEC 9646-1 : 1994, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts.*

ISO/IEC 9646-2 : 1994, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract Test Suite specification.*

ISO/IEC TR 10000-2: 1995, *Information technology - Framework and taxonomy of International Standardized Profiles -Part 2: Principles and Taxonomy for OSI profiles.*

NOTE – Throughout the tables in this part of ISO/IEC 9041, references to the base text of ISO/IEC 9040 and ISO/IEC 9041-1 are made in the base reference columns using the abbreviations S or P with a clause number. This should be interpreted to mean a reference to the Service standard or to the Protocol standard respectively. Where the letter T appears with S or P, the reference is to a table number in the service or the protocol. To obtain a reference for a particular entry, the reader should either take the reference as specified or take the previous (higher) reference in that column of the table.