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Information processing systems — Open Systems Interconnection — File Transfer, Access and Management —

Part 5 : Protocol Implementation Conformance Statement Proforma

*Systèmes de traitement de l'information — Interconnection de systèmes ouverts —
Gestion, accès et transfert de fichier —*

*Partie 5 : Avis de conformité de mise en œuvre du protocole **proforma***



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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 or 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 JTC 1. 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 8571-5 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

ISO 8571 consists of the following parts, under the general title *Information processing systems — Open Systems Interconnection — File Transfer, Access and Management*:

- *Part 1: General introduction*
- *Part 2: Virtual Filestore Definition*
- *Part 3: File Service Definition*
- *Part 4: File Protocol Specification*
- *Part 5: Protocol Implementation Conformance Statement Proforma*

Annex A forms an integral part of this part of ISO 8571. Annex B is for information only.

Introduction

ISO 8571 is one of a set of International Standards introduced to facilitate the interconnection of computer systems. It is related to other International Standards in the set as defined by the Reference Model for Open Systems Interconnection (ISO 7498). The Reference Model subdivides the area of standardization for interconnection into a series of layers of specification, each of manageable size.

The aim of Open Systems Interconnection is to allow, with a minimum of technical agreement outside the interconnection standards, the interconnection of computer systems

- a) from different manufacturers,
- b) under different managements,
- c) of different levels of complexity,
- d) of different ages.

ISO 8571 defines a File Service and specifies a File Protocol available within the application layer of the Reference Model. The service defined is of the category Application Service Element (ASE). It is concerned with identifiable bodies of information which can be treated as files, which may be stored within open systems or passed between application processes.

ISO 8571 defines a basic file service. It provides sufficient facilities to support file transfer, and establishes a framework for file access and file management. ISO 8571 does not specify the interfaces to a file transfer or access facility within the local system.

It is recognised that, with respect to Communication Quality of Service, work is still in progress to provide an integrated treatment of quality of service across all of the layers of the OSI Reference Model and to ensure that the individual treatments in each layer service satisfy overall quality of service objectives in a consistent manner. As a consequence, an addendum may be added to this International Standard at a later time which reflects further quality of service developments and integration.

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

Information processing systems — Open Systems Interconnection — File Transfer, Access and Management —

Part 5:

Protocol Implementation Conformance Statement Proforma

1 Scope

This part of ISO 8571 defines a Protocol Implementation Conformance Statement (PICS) proforma for the detailed expression of the conformance requirements of ISO 8571. This PICS proforma is in compliance with the relevant requirements and in accordance with the relevant guidance for a PICS proforma given in ISO 9646-2. Detail of the use of this proforma is provided in this part of ISO 8571. Implementations claiming conformance to ISO 8571 shall complete the proforma as part of the conformance requirements. The level of detail required in the proforma exceeds that of the protocol specification by requiring details to uniquely identify the implementation and the supplier.

NOTE - PICS are related to base standards and only base standards. PICS structure might be expanded and refined for other documents using the base standards (eg ISPICS)

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 8571. At the time of publication, the editions indicated were valid. All standards are subject to revision, and the parties to agreements based on this part of ISO 8571 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 7498 : 1984, *Information Processing Systems - Open Systems Interconnection - Basic Reference Model*.

ISO/TR 8509 : 1987, *Information Processing Systems - Open Systems Interconnection - Service Conventions*.

ISO 8571-1 : 1988, *Information Processing Systems - Open Systems Interconnection - File transfer, Access and Management - Part 1: General Introduction*.

ISO 8571-2 : 1988, *Information Processing Systems - Open Systems Interconnection - File transfer, Access and Management - Part 2: Virtual Filestore Definition*.

ISO 8571-3 : 1988, *Information Processing Systems - Open Systems Interconnection - File transfer, Access and Management - Part 3: File Service Definition*.

ISO 8571-4 : 1988, *Information Processing Systems - Open Systems Interconnection - File transfer, Access and Management - Part 4: File protocol Specification*.

ISO 8822 : 1988, *Information Processing Systems - Open Systems Interconnection - Connection Oriented Presentation Service Definition*.

ISO 8823 : 1988, *Information Processing Systems - Open Systems Interconnection - Connection Oriented Presentation Protocol Specification*.

ISO 9646-1 : ¹⁾, *Information technology - Open Systems Interconnection - Conformance Testing Methodology and Framework - Part 1: General Concepts*.

ISO 9646-2 : ¹⁾, *Information technology - Open Systems Interconnection - Conformance Testing Methodology and Framework - Part 2: Abstract Test Suite Specification*.

1) To be published.