

Australian/New Zealand Standard™

**Information and documentation—Open
Systems Interconnection—Interlibrary
Loan Application Protocol Specification**

**Part 2: Protocol implementation
conformance statement (PICS) proforma**



AS/NZS ISO 10161.2:2015

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee IT-019, Information and Documentation, Information Technology—Learning, Education, Training and Research. It was approved on behalf of the Council of Standards Australia on 10 July 2015 and on behalf of the Council of Standards New Zealand on 8 July 2015.
This Standard was published on 6 August 2015.

The following are represented on Committee IT-019:

Australian Computer Society
Australian Library and Information Association
CSIRO
Department of Defence (Australian Government)
Education and Communities, NSW
Institute for Metadata Management
La Trobe University
National and State Libraries Australasia
National Library of Australia
National Library of New Zealand
Northern Territory Library
Tertiary Library Networks
University of Southern Queensland
Waikato Institute of Technology

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

Australian/New Zealand Standard™

**Information and documentation—Open
Systems Interconnection—Interlibrary
Loan Application Protocol Specification**

**Part 2: Protocol implementation
conformance statement (PICS) proforma**

First published as AS/NZS 4197.2:1999.
Revised and redesignated as AS/NZS ISO 10161.2:2015.

COPYRIGHT

© Standards Australia Limited/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT-019, Information and Documentation, Information Technology—Learning, Education, Training and Research Information and documentation—Open Systems Interconnection—Interlibrary loan application protocol specification, Part 2: Protocol implementation conformance statement (PICS) proforma, to supersede AS/NZS 4197.2:1999.

The objective of this Standard is to define the protocol implementation conformance statement (PICS) proforma for the ILL protocol as specified in ISO 10161-1, in compliance with the relevant requirements, and in accordance with the relevant guidance for a PICS proforma, given in ISO/IEC 9646-2.

This Standard is identical with, and has been reproduced from ISO 10161-2:2014, *Information and documentation—Open Systems Interconnection—Interlibrary Loan Application Protocol Specification, Part 2: Protocol implementation conformance statement (PICS) proforma*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text ‘this part of ISO 10161’ should read ‘this Australian/New Zealand Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
ISO	AS/NZS
9646 Information technology—Open Systems Interconnection—Conformance testing methodology and framework	4103 Information technology—Open Systems Interconnection—Conformance testing methodology and framework
9646-1 Part 1: General concepts	4103.1 Part 1: General concepts
10161 Information and documentation—Open Systems Interconnection—Interlibrary Loan Application Protocol Specification	4197 Information and documentation—Open Systems Interconnection—Interlibrary loan application protocol specification
10161-1 Part 1: Protocol specification	4197.1 Part 1: Protocol specification

The term ‘normative’ has been used in this Standard to define the application of the annex to which it applies. A ‘normative’ annex is an integral part of a Standard.

CONTENTS

1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviations	2
5	Layout	2
6	Conformance	2
7	Notations defined in the proforma	2
	7.1 General.....	2
	7.2 “D” Column.....	2
	7.3 “I” Column.....	3
	7.4 “Reference, usage or range of values” column.....	3
8	PICS Numbers	3
9	Completion of the PICS	3
	Annex A (normative) Protocol Implementation Conformance Statement (PICS) proforma for the Interlibrary Loan Protocol	4
	Bibliography	34

INTRODUCTION

To evaluate conformance of a particular implementation of an OSI protocol, 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).

A PICS *proforma* is developed as a companion standard to an OSI protocol standard. It is developed in the form of a questionnaire to be filled out by a supplier of a product claiming to implement the protocol. The filled-out questionnaire becomes the PICS for the product. It indicates which capabilities and options have been implemented and what limitations might prevent interworking. It allows a customer of the product to evaluate its conformance to the standard and to determine whether the product meets the customer's requirements.

This part of ISO 10161 defines a protocol implementation conformance statement (PICS) proforma for the detailed expression of the conformance requirements of ISO 10161-1 which incorporates Defect Reports 1-22 and Amendment 1: ILL Support for Electronic Document Delivery. Detail of the use of this proforma is provided in this part of ISO 10161.

The level of detail required in the proforma exceeds that of the protocol specification by requiring details of the implementer in addition to details of the implementation.

AUSTRALIAN/NEW ZEALAND STANDARD

**Information and documentation—Open Systems Interconnection—
Interlibrary Loan Application Protocol Specification****Part 2:****Protocol implementation conformance statement (PICS) proforma****1 Scope**

This part of ISO 10161 defines the protocol implementation conformance statement (PICS) proforma for the ILL protocol as specified in ISO 10161-1, in compliance with the relevant requirements, and in accordance with the relevant guidance for a PICS proforma, given in ISO/IEC 9646-2.

Implementers claiming conformance to ISO 10161-1 complete the proforma as part of the conformance requirements.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

ISO 10161-1:2014, *Information and documentation — Open Systems Interconnection — Interlibrary Loan Application Protocol Specification — Part 1: Protocol specification*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 9646-1 and the following apply.

3.1**PICS proforma**

document, in the form of a questionnaire, designed by the protocol specifier or conformance test suite specifier, which when completed for an OSI implementation or system becomes the PICS

3.2**protocol implementation conformance statement****PICS**

statement made by the supplier of an OSI implementation or system stating which capabilities have been implemented for a given OSI protocol

1) ISO/IEC 9646-1:1994 supersedes ISO/IEC 9646-1:1991. However, when this part of ISO 10161 was under development, the previous edition was valid and this part of ISO 10161 is therefore based on that edition.