

Australian Standard™

**Information technology—Public Key
Authentication Framework (PKAF)**

**Part 1.2.2: General—PICS Proforma for
digital signature certificates**

This Australian Standard was prepared by Committee IT-012, Information Systems, Security and Identification Technology. It was approved on behalf of the Council of Standards Australia on 21 November 2000 and published on 23 January 2001.

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Australia Post
Australian Association of Permanent Building Societies
Australian Bankers Association
Australian Chamber of Commerce and Industry
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT-012, Information Systems, Security and Identification Technology.

There was a consensus among representatives on the Joint Committee that it be produced as an Australian Standard.

The objective of this Standard is to specify the profile for the signature certificates (PAA, PCA, CA, external domain certificates and end use entities) for use in the Public Key Authentication Framework (PKAF)

This Standard is Part 1.2.2 of a series which, when complete, will consist of the following:

AS

4539 Information technology—Public Key Authentication Framework (PKAF)

4539.1.2.1 Part 1.2.1: General—X.509 Certificate and Certificate Revocation Lists (CRL) profile

4539.1.2.2 Part 1.2.2: General—PICS Proforma for digital signature certificates (this Standard)

4539.1.2.3 Part 1.2.3: General—PICS Proforma for Certificate Revocation Lists (CRL)

4539.1.3 Part 1.3: General—X.509 supported algorithms profile

4539.2.1 Part 2.1: Assurance framework—Certification Authorities

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

The IT-012 Committee acknowledges the work of Subcommittee IT-012-04-01 in the production of this document. In particular the following organizations had significant input:

Adacel Technologies Ltd

Australian Stock Exchange

Authentic8 Pty Ltd

Baltimore

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STANDARDS AUSTRALIA

Australian Standard**Information technology—Public Key Authentication Framework (PKAF)****Part 1.2.2: General—PICS Proforma for digital signature certificates****1 SCOPE**

This Standard provides the Profile for the Signature Certificates (PAA, PCA, CA, external domain certificates, and end entities) for use in the Public Key Authentication Framework (PKAF).

NOTE: The structure for the Certificate is defined in the 1997 version of ITU-T X.509 / ISO/IEC 9594-8.

2 APPLICATION

The supplier of an implementation that claims to conform to ITU-T Rec. X.509 / ISO/IEC IS 9594-8 is required to complete a copy of the PICS Proforma provided in Sections 8 through 14 of this Standard and is required to provide information necessary to identify both the supplier and the implementation.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- 4539 Information technology—Public Key Authentication Framework (PKAF)
- 4539.1.2.3 Part 1.2.3: General PICS Proforma for Certificate Revocation Lists (CRL)
- 4539.1.3 Part 1.3: General—X.509 supported algorithms profile

ISO/IEC

- 9594 Information technology—Open Systems Interconnection—The directory
- 9594-8 Part 8: Authentication framework
- 9646 Information technology—Open Systems Interconnection—Conformance testing methodology and framework

ITU-T

- Rec. X.509 Information Technology—Open Systems Interconnection—The Directory: Authentication Framework

IETF

- RFC2459 Internet X.509 Public Key Infrastructure Certificate and CRL Profile

4 DEFINITIONS**4.1 Certificate definitions**

Certificate definitions given in ISO/IEC 9594-8 apply.

4.2 Conformance definitions

Conformance definitions given in ISO/IEC 9646-8 apply, i.e. those for conformance, mandatory requirement, optional requirement, and conditional requirement.