

Australian Standard™

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

**Part 2.1: Assurance framework—
Certification Authorities**



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PREFACE

This Standard is one in a series of Public Key Authentication Framework (PKAF) related Standards prepared by the Joint Standards Australia/Standards New Zealand Committee IT/12, Information Systems, Security and Identification Technology.

The Standard is the result of a consensus among representatives on the Joint Committee that it be produced as an Australian Standard.

The objective of this Standard is to specify an assurance model for the Public Key Authentication Framework (PKAF).

To date, the AS 4539 series of Standards comprises the following:

AS

- 4539 Information technology—Public Key Authentication Framework (PKAF)
- 4539.1.3 Part 1.3: General—X.509 supported algorithms profile
- 4539.2.1 Part 2.1: Authentication framework—Certification Authorities (this Standard)

Parts of the AS 4539 series in the course of preparation are as follows:

General—PKAF architecture

General—X.509 certificate and Certification Revocation Lists (CRL) profile

Registration—Identification and authentication

CONTENTS

	<i>Page</i>
1 INTRODUCTION	4
2 SCOPE	4
3 REFERENCED DOCUMENTS	4
4 DEFINITIONS	5
5 ACCREDITATION PROCESS	6
6 CERTIFICATION EVALUATION CRITERIA (CERTIFICATION AUTHORITY).....	9
7 LOSS OF CERTIFICATION.....	9
8 EXTERNAL AUDIT	11
9 INTERNATIONAL REQUIREMENTS	11

STANDARDS AUSTRALIA

Australian Standard**Information technology—Public Key Authentication Framework (PKAF)****Part 2.1: Assurance framework—Certification Authorities****1 INTRODUCTION**

Certification Authority (CA) assurance is designed to ensure that a consistent and measured level of viability, competence, fitness for purpose, and security is applied within the Australian Public Key Authentication Framework (PKAF) environment.

2 SCOPE

This Standard specifies an assurance framework designed to complement the Public Key Authentication Framework and to be applied consistently across any organisation seeking to operate a Certification Authority within Australia.

3 REFERENCED DOCUMENTS

The following documents are referenced in this Standard

AS

- 3806 Compliance programs
- 4269 Complaints handling
- 4608 Guide to the prevention, handling and resolution of disputes

AS/NZS

- 3907 Quality management — Guidelines for configuration management
- 4360 Risk management
- 4444 Information security management

AS/NZS ISO

- 9000 (Set) Quality management and quality assurance Standards

ISO/IEC

- Guide 2 Standardisation and related activities – General vocabulary
- Guide 62 General requirements for bodies operating assessment and certification/registration of quality systems
- Guide 65 General requirements for bodies operating product certification systems
- 11770 Information technology—Security techniques—Key management
- 12207 Information technology—Software life cycle processes
- 13333 Information technology—Guidelines for the management of IT Security

EN

- 45013 Certification of personnel bodies

Commonwealth Corporations Law

National Principles for the Fair Handling of Personal Information