

Australian Standard[®]

**Information technology—Common
Biometric Exchange Formats
Framework**

**Part 2: Procedure for the operation of
the Biometric Registration Authority**



This Australian Standard® was prepared by Committee IT-032, Biometric and Identification. It was approved on behalf of the Council of Standards Australia on 9 March 2007. This Standard was published on 2 July 2007.

The following are represented on Committee IT-032:

- AUSTRROADS
 - Attorney General's Department
 - Australian Business Limited
 - Australian Electrical and Electronic Manufacturers Association
 - Centrelink
 - The Biometric Institute
-

This Standard was issued in draft form for comment as DR 06646.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that 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Standards may also be withdrawn.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 that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard[®]

**Information technology—Common
Biometric Exchange Formats
Framework**

**Part 2: Procedure for the operation of
the Biometric Registration Authority**

First published as AS ISO/IEC 19785.2—2007.

COPYRIGHT

© Standards Australia

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.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 8260 4

PREFACE

This Standard was prepared by the Standards Australia Committee IT-032, Biometric and Identification.

The objective of this Standard is to make available to the Australian biometrics community the core ISO SC37 standards published over the last 24 months.

This Standard is identical with, and has been reproduced from ISO/IEC 19785-2:2006, *Information technology—Common Biometric Exchange Formats Framework—Part 2: Procedure for the operation of the Biometric Registration Authority*.

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

- (a) Its number appears on the cover and title page while the international standard number appears only on the cover.
- (b) In the source text ‘this part of ISO/IEC 19785’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO/IEC		AS ISO/IEC	
19784	Information technology—Biometric application programming interface	19784	Information technology—Biometric application programming interface
19784-1	Part 1: BioAPI specification	19784.1	Part 1: BioAPI specification
19785	Information technology—Common Biometric Exchange Formats Framework	19785	Information technology—Common Biometric Exchange Formats Framework
19785-1	Part 1: Data element specification	19785.1	Part 1: Data element specification
19794	Information technology—Biometric data interchange formats (all parts)	19794	Information technology—Biometric data interchange formats (all parts)

Only international references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

CONTENTS

	<i>Page</i>	
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
3.1	Terms defined in ISO/IEC 19785-1	1
3.2	Other terms and definitions	2
4	Symbols and abbreviated terms	2
5	General	2
6	Appointment of the registration authority	5
7	Fees	5
8	Registration procedures for CBEFF biometric organizations and CBEFF patrons	5
8.1	General	5
8.2	Application for registration as a CBEFF biometric organization or as a CBEFF patron	5
8.3	Review of applications	6
8.3.1	Procedure	6
8.3.2	Response time	6
8.4	Confirmation process	6
8.5	Objection process for CBEFF patron registrations	6
9	Registration procedures for BIR formats, BDB formats, SB formats and biometric products	7
9.1	General	7
9.2	Application for registration of a BIR format, BDB format, SB format, or biometric product	7
9.3	Review of applications	7
9.3.1	Procedure	7
9.3.2	Response time	7
9.4	Confirmation process	8
9.5	Objection process	8
10	Content of applications	8
10.1	General	8
10.2	Application for registration as a biometric organization or as a CBEFF patron	8
10.3	Application for registration of a BIR format, BDB format, SB format, or biometric product	8
11	Maintenance of a web-based register	9
Annex A	(normative) Registration authority	10
Annex B	(informative) Sample registration tables	11

INTRODUCTION

Biometric-based authentication systems and applications are expected to support multiple biometric devices and multiple biometric data formats. The Common Biometric Exchange Formats Framework (CBEFF) promotes interoperability of biometric-based application programs and systems developed by different vendors by facilitating biometric data interchange. This part of ISO/IEC 19785 supports such exchanges by providing unambiguous identification of biometric organizations, formats and products.

This part of ISO/IEC 19785 specifies procedures for a Registration Authority that is responsible for the assignment of ASN.1 object identifier components to identify biometric organizations, CBEFF patrons, biometric information record formats, biometric data block formats, security block formats, and biometric products, to provide globally unambiguous identification in the context of the CBEFF ASN.1 object identifier.

The registration process is universal, assigns unique and unambiguous identifiers, and avoids changes in identifiers over time.

The publication of the registers promotes compatibility in interchange of biometric data and improves interoperability of biometric systems. Registration provides an identifier, but registration should not be regarded as a standardization procedure. Nevertheless, as a matter apart from registration, the registered object may, but need not, be the subject of an international, national, or other standard.

The same registry can be used to register the identification of products which produce or process biometric data – whether the biometric organization owning the product is the same as or different from the biometric organization which defined the format of that data.

AUSTRALIAN STANDARD

Information technology — Common Biometric Exchange Formats Framework —

Part 2: Procedures for the operation of the Biometric Registration Authority

1 Scope

This part of ISO/IEC 19785 specifies the procedures to be followed by the Biometric Registration Authority in preparing, maintaining, and publishing registers of identifiers for biometric organizations, CBEFF patron formats, BDB formats, security block formats, and biometric products.

2 Normative references

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

ISO/IEC 8824-1, *Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation*

ISO/IEC 9834-1, *Information technology — Open Systems Interconnection — Procedures for the operation of OSI Registration Authorities: General procedures and top arcs of the ASN.1 Object Identifier tree*

ISO/IEC 19784-1, *Information technology — Biometric application programming interface — Part 1: BioAPI specification*

ISO/IEC 19785-1, *Information technology — Common Biometric Exchange Formats Framework — Part 1: Data element specification*

ISO/IEC 19794 (all parts), *Information technology — Biometric data interchange formats*

3 Terms and definitions

3.1 Terms defined in ISO/IEC 19785-1

For the purposes of this document, the following terms defined in ISO/IEC 19785-1 apply:

BDB format; BDB format identifier; biometric; biometrics; biometric data block (BDB); biometric information record (BIR); biometric product; biometric product identifier; biometric product owner; biometric sample; CBEFF biometric organization identifier; CBEFF patron; CBEFF patron format; CBEFF patron format identifier; CBEFF patron identifier; security block; security block format; security block format identifier.