AS/NZS ISO/IEC 14769:2003 ISO/IEC 14769:2001

Australian/New Zealand Standard[™]

Information technology—Open distributed processing—Type repository function





AS/NZS ISO/IEC 14769:2003 This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee IT-015, Software Engineering. It was approved on behalf of the Council of Standards Australia on 1 May 2003 and on behalf of the Council of Standards New Zealand on 22 April 2003. It was published on 4 June 2003.

The following are represented on Committee IT-015:

Australian Computer Society Australian Information Industry Association Australian Society for Technical Communication (NSW) Australian Software Metrics Association Griffith University New Zealand Organisation for Quality Quality Society of Australasia Software Engineering Australia (Qld) Software Quality Association (ACT) Software Quality Association (NSW) Software Verification Research Centre Sydney SPIN Group (Software Process Improvement Network) Systems Engineering Society of Australia University of New South Wales University of South Australia University of Technology, Sydney

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 Standards may also be withdrawn.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 Australia web site at www.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. 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 International or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR 03091.

AS/NZS ISO/IEC 14769:2003

Australian/New Zealand Standard[™]

Information technology—Open distributed processing—Type repository function

First published as AS/NZS ISO/IEC 14769:2003.

COPYRIGHT

© Standards Australia/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.

Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 5275 6

ii

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT-015, Software Engineering.

This Standard is identical with, and has been reproduced from ISO/IEC 14769:2001, *Information technology—Open distributed processing—Type repository function*.

The objective of this Standard is to provide a method of accessing type description used within open distributed processing systems, where the type descriptions can be in various concrete syntaxes and type languages used in these distributed processing systems.

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.

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 International Standard' should read 'this Australian/New Zealand Standard'.
- (c) 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:

Reference to International Standard

ISO/IEC

10027	Information technology—Information resource dictionary system (IRDS)
	framework

- 14750 Information technology—Open distributed processing—Interface definition language
- 14753 Information technology—Open distributed processing—Interface references and binding
- 14771 Information technology—Open distributed processing—Naming framework

Australian/New Zealand Standard

AS/NZS

- 4101 Information technology—Information resource dictionary system framework
- ISO/IEC Information technology—Open 14750 distributed processing—Interface definition language
- ISO/IEC Information technology—Open
- 14753 distributed processing—Interface references and binding
- ISO/IEC Information technology—Open 14771 distributed processing—Naming framework

iii

CONTENTS

Page

1	Scope			
2	Norm	Normative References		
	2.1	Identical Recommendations International Standards		
	2.2	Additional References		
	2.3	Specifications of the Object Management Group		
3	Defin	Definitions		
	3.1	Terms defined in other International Standards		
	3.2	Terms defined in this Recommendation International Standard		
	3.3	Terms defined in the OMG Meta-Object Facility		
4	Abbre	eviations		
5	Overv	Overview and Motivation		
	5.1	Type Repository		
	5.2	Meta-Object Facility		
6	Enter	Enterprise Specification		
	6.1	Objective		
	6.2	Type Repository Community		
		6.2.1 Roles		
		6.2.2 Behaviour		
		6.2.3 Policies		
	6.3	Federation		
	6.4	Correspondences between enterprise specification concepts and the MOF		
7	Inform	nation Specification		
	7.1	Correspondences between information viewpoint concepts and the MOF		
8	Comp	outational Specification		
	8.1	Correspondences between computational viewpoint concepts and the MOF		
9	Confo	ormance Statements and Reference Points		
Annex	x A – C	A – ODP Type Framework		
	A.1	ODP-RM Type System		
	A.2	Type System for ODP Trading Function		
	A.3	Interface Reference and Binding Type System		
Annez	x B – S	uggested type languages		
Annez	x C – S	ummary of Referenced Material in OMG Meta-Object Facility		
	C.1	Problems arising through reference to the OMG Meta-Object Facility specification		
	C.2	Relationship with the MOF specification		



This is a free preview. Purchase the entire publication at the link below:

Product Page

S Looking for additional Standards? Visit Intertek Inform Infostore

> Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation