AS 13335.5—2003
ISO/IEC TR 13335-5:2001

Australian Standard™

Information technology—Guidelines for the management of IT Security

Part 5: Management guidance on network security

Standards Australia

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 4 March 2003 and published on 29 April 2003.

The following are represented on Committee IT-012:

Attorney General's Department

Australian Association of Permanent Building Societies

Australian Bankers Association

Australian Chamber of Commerce and Industry

Australian Electrical and Electronic Manufacturers Association

Australian Information Industry Association

Certification Forum of Australia

Department of Defence, Australia

Department of Social Welfare New Zealand

Government Communications Security Bureau, New Zealand

Internet Industry Association

NSW Police Service

New Zealand Defence Force

Reserve Bank of Australia

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 Standards may also be withdrawn.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 Standards can be found by visiting the Standards Australia web site at www.standards.com.au and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Australian Standard*, has a full listing of revisions and amendments published each month.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.com.au, or write to the Chief Executive, Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001.

This Standard was issued in draft form for comment as DR 02541.

Australian Standard™

Information technology—Guidelines for the management of IT Security

Part 5: Management guidance on network security

First published as AS 13335.5—2003.

Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 5112 1

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee IT-012, Information Systems, Security and Identification Technology. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than an Australian/New Zealand Standard.

This Standard is identical with, and has been reproduced from ISO/IEC TR 13335-5:2001, *Information technology—Guidelines for the management of IT Security,* Part 5: *Management guidance on network security.*

The objective of this Standard is to provide guidance to identify and analyse the communications related factors that should be taken into account when establishing network security requirements.

This Standard is Part 5 of AS 13335, *Information technology—Guidelines for the management of IT Security,* which is published in parts as follows:

Part 1: Concepts and models for IT Security
Part 2: Managing and planning IT Security
Part 3: Techniques for the management of IT Security
Part 4: Selection of safeguards
Part 5: Management guidance on network security (this Standard)

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 TR 13335' should read 'this Australian 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		*Australian or Australian/New Zealand Standard*	
ISO/IEC		AS	
TR 13335	Information technology—Guidelines for the management of IT Security	13335	Information technology—Guidelines for the management of IT Security
13335-1	Part 1: Concepts and models for IT Security	13335.1	Part 1: Concepts and models for IT Security
13335-2	Part 2: Managing and planning IT Security	13335.2	Part 2: Managing and planning IT Security
13335-3	Part 3: Techniques for the management of IT Security	13335.3	Part 3: Techniques for the management of IT Security
13335-4	Part 4: Selection of safeguards	13335.4	Part 4: Selection of safeguards
		AS/NZS	
7498	Information technology (Information processing systems)—Open Systems Interconnection—Basic reference model	2777	Information processing systems—Open Systems Interconnection—Basic reference model
7498-1	Part 1: The basic model	2777.1	Part 1: The basic model
7498-2	Part 2: Security architecture	2777.2	Part 2: Security architecture
7498-3	Part 3: Naming and addressing	2777.3	Part 3: Naming and addressing
7498-4	Part 4: Management framework	2777.4	Part 4: Management framework

CONTENTS

Page

AUSTRALIAN STANDARD

Information technology — Guidelines for the management of IT Security —

Part 5:
Management guidance on network security

1. Scope

ISO/IEC TR 13335-5 provides guidance with respect to networks and communications to those responsible for the management of IT security. This guidance supports the identification and analysis of the communications related factors that should be taken into account to establish network security requirements.

This part of ISO/IEC TR 13335 builds upon Part 4 of this Technical Report by providing an introduction on how to identify appropriate safeguard areas with respect to security associated with connections to communications networks.

It is not within the scope of this TR to provide advice on the detailed design and implementation aspects of the technical safeguard areas. That advice will be dealt with in future ISO documents.

2. References

ISO/IEC TR 13335-1:1996, *Information technology — Guidelines for the management of IT Security — Part 1: Concepts and models for IT Security*

ISO/IEC TR 13335-2:1997, *Information technology — Guidelines for the management of IT Security — Part 2: Managing and planning IT Security*

ISO/IEC TR 13335-3:1998, *Information technology — Guidelines for the management of IT Security — Part 3: Techniques for the management of IT Security*

ISO/IEC TR 13335-4:2000, *Information technology — Guidelines for the management of IT Security — Part 4: Selection of safeguards*

ISO/IEC TR 14516:—[1)], *Information technology — Guidelines on the use and management of Trusted Third Party (TTP) services*

ISO/IEC 13888 (all parts), *Information technology — Security techniques — Non-repudiation*

ISO/IEC 15947:—[1)], *Information technology — Security techniques — IT intrusion detection framework*

ISO/IEC 7498-1:1994, *Information technology — Open Systems Interconnection — Basic Reference Model: The Basic Model*

ISO 7498-2:1989, *Information processing systems — Open Systems Interconnection — Basic Reference Model — Part 2: Security Architecture*