

Australian Standard™

**Information technology—Guidelines for  
the management of IT Security**

**Part 4: Selection of safeguards**

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.

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Australian Standard™

**Information technology—Guidelines for  
the management of IT Security**

**Part 4: Selection of safeguards**

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## 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 13335-4:2000 *Information technology—Guidelines for the management of IT Security, Part 4: Selection of safeguards*.

The objective of this Standard is to provide guidance on the selection of safeguards, taking into account business needs and security concerns. It describes a process for the selection of safeguards according to security risks and concerns and the specific environment of an organization.

This Standard is Part 4 of AS/NZS 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 (this Standard)
- Part 5: Management guidance on network security

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<i>Reference to International Standard</i>	<i>Australian Standard</i>
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

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## AUSTRALIAN STANDARD

**Information technology — Guidelines for the management of IT Security —****Part 4:  
Selection of safeguards****1 Scope**

This part of ISO/IEC TR 13335 provides guidance on the selection of safeguards, taking into account business needs and security concerns. It describes a process for the selection of safeguards according to security risks and concerns and the specific environment of an organization. It shows how to achieve appropriate protection, and how this can be supported by the application of baseline security. An explanation is provided on how the approach outlined in this part of ISO/IEC TR 13335 supports the techniques for the management of IT security laid out in ISO/IEC TR 13335-3.

**2 References**

ISO/IEC 13335-1: 1997	Guidelines for the Management of IT Security - Part 1: Concepts and Models
ISO/IEC 13335-2: 1997	Guidelines for the Management of IT Security - Part 2: Managing and Planning IT Security
ISO/IEC 13335-3: 1997	Guidelines for the Management of IT Security - Part 3: Techniques for the Management of IT Security
ISO/IEC 10181-2: 1996	Information technology - Open Systems Interconnection - Security framework for open systems: Authentication framework
ISO/IEC 11770-1: 1996	Key Management - Part 1: Framework

**3 Terms and definitions**

For the purposes of this part of ISO/IEC TR 13335, the terms defined in ISO/IEC TR 13335-1 apply: accountability, asset, authenticity, availability, baseline controls, confidentiality, data integrity, impact, integrity, IT security, IT security policy, reliability, residual risk, risk, risk analysis, risk management, safeguard, system integrity, threat, and vulnerability. In addition, the following terms are used:

**3.1****authentication**

provision of assurance of the claimed identity of an entity (ISO/IEC 10181-2)

**3.2****identification**

process of uniquely determining the unique identity of an entity

**4 Aim**

The aim of this part of ISO/IEC TR 13335 is to provide guidance on the selection of safeguards. This guidance is provided for the situations where, for an IT system, a decision is taken to select