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国际信息安全学习联盟

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**Information technology — Security
techniques — Information security
management systems — Requirements**

*Technologies de l'information — Techniques de sécurité — Systèmes
de management de la sécurité de l'information — Exigences*



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信息技术-安全技术-信息安全管理体系-要求

Information technology- Security techniques

-Information security management systems-Requirements

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 27001 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *IT Security techniques*.

This second edition cancels and replaces the first edition (ISO/IEC 27001:2005), which has been technically revised.

前 言

ISO（国际标准化组织）和IEC（国际电工委员会）是为国际标准化制定专门体制的国际组织。国家机构是ISO或IEC的成员，他们通过各自的组织建立技术委员会参与国际标准的制定，来处理特定领域的技术活动。ISO和IEC技术委员会在共同感兴趣的领域合作。其他国际组织、政府和非政府等机构，通过联络ISO和IEC参与这项工作。ISO和IEC已经在信息技术领域建立了一个联合技术委员会ISO/IEC JTC1。

国际标准的制定遵循ISO/IEC 导则第2部分的规则。

联合技术委员会的主要任务是起草国际标准，并将国际标准草案提交给国家机构投票表决。国际标准的出版发行必须至少75%以上的成员投票通过。

本文件中的某些内容有可能涉及一些专利权问题，这一点应该引起注意。ISO和IEC不负责识别任何这样的专利权问题。

ISO/IEC 27001 由联合技术委员会ISO/IEC JTC1（信息技术）分委员会SC27（安全技术）起草。

第二版进行了技术上的修订，并取消和替代第一版（ISO/IEC 27001:2005）。

0 Introduction

0.1 General

This International Standard has been prepared to provide requirements for establishing, implementing, maintaining and continually improving an information security management system. The adoption of an information security management system is a strategic decision for an organization. The establishment and implementation of an organization's information security management system is influenced by the organization's needs and objectives, security requirements, the organizational processes used and the size and structure of the organization. All of these influencing factors are expected to change over time.

The information security management system preserves the confidentiality, integrity and availability of information by applying a risk management process and gives confidence to interested parties that risks are adequately managed.

It is important that the information security management system is part of and integrated with the organization's processes and overall management structure and that information security is considered in the design of processes, information systems, and controls. It is expected that an information security management system implementation will be scaled in accordance with the needs of the organization.

This International Standard can be used by internal and external parties to assess the organization's ability to meet the organization's own information security requirements.

The order in which requirements are presented in this International Standard does not reflect their importance or imply the order in which they are to be implemented. The list items are enumerated for reference purpose only.

ISO/IEC 27000 describes the overview and the vocabulary of information security management systems, referencing the information security management system family of standards (including ISO/IEC 27003^[2], ISO/IEC 27004^[3] and ISO/IEC 27005^[4]), with related terms and definitions.

0.2 Compatibility with other management system standards

This International Standard applies the high-level structure, identical sub-clause titles, identical text, common terms, and core definitions defined in Annex SL of ISO/IEC Directives, Part 1, Consolidated ISO Supplement, and therefore maintains compatibility with other management system standards that have adopted the Annex SL.

This common approach defined in the Annex SL will be useful for those organizations that choose to operate a single management system that meets the requirements of two or more management system standards.

引 言

0.1 总则

本标准用于为建立、实施、保持和持续改进信息安全管理体系提供要求。采用信息安全管理体系是组织的一项战略性决策。一个组织信息安全管理体系的建立和实施受其需要和目标、安全要求、所采用的过程以及组织的规模和结构的影响。所有这些影响因素会不断发生变化。

信息安全管理体系通过应用风险管理过程来保持信息的保密性、完整性和可用性，以充分管理风险并给予相关方信心。

信息安全管理体系是组织过程和整体管理结构的一部分并与其整合在一起是非常重要的。信息安全在设计过程、信息系统、控制措施时就要考虑信息安全。按照组织的需要实施信息安全管理体系，是本标准所期望的。

本标准可被内部和外部相关方使用，评估组织的能力是否满足组织自身信息安全要求。

本标准中要求的顺序并不能反映他们的重要性或意味着他们的实施顺序。列举的条目仅用于参考目的。

ISO/IEC 27000 描述了信息安全管理体系的概述和词汇，参考了信息安全管理体系标准族（包括 ISO/IEC 27003、ISO/IEC 27004 和 ISO/IEC 27005）以及相关的术语和定义。

0.2 与其他管理体系的兼容性

本标准应用了 ISO/IEC 导则第一部分 ISO 补充部分附录 SL 中定义的高层结构、相同的子章节标题、相同文本、通用术语和核心定义。因此保持了与其它采用附录 SL 的管理体系标准的兼容性。

附录 SL 定义的通用方法对那些选择运作单一管理体系（可同时满足两个或多个管理体系标准要求）的组织来说是十分有益的。

Information technology — Security techniques — Information security management systems — Requirements

1 Scope

This International Standard specifies the requirements for establishing, implementing, maintaining and continually improving an information security management system within the context of the organization. This International Standard also includes requirements for the assessment and treatment of information security risks tailored to the needs of the organization. The requirements set out in this International Standard are generic and are intended to be applicable to all organizations, regardless of type, size or nature. Excluding any of the requirements specified in [Clauses 4](#) to [10](#) is not acceptable when an organization claims conformity to this International Standard.

2 Normative references

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

ISO/IEC 27000, *Information technology — Security techniques — Information security management systems — Overview and vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 27000 apply.

4 Context of the organization

4.1 Understanding the organization and its context

The organization shall determine external and internal issues that are relevant to its purpose and that affect its ability to achieve the intended outcome(s) of its information security management system.

NOTE Determining these issues refers to establishing the external and internal context of the organization considered in Clause 5.3 of ISO 31000:2009[5].

4.2 Understanding the needs and expectations of interested parties

The organization shall determine:

- a) interested parties that are relevant to the information security management system; and
- b) the requirements of these interested parties relevant to information security.

NOTE The requirements of interested parties may include legal and regulatory requirements and contractual obligations.

4.3 Determining the scope of the information security management system

The organization shall determine the boundaries and applicability of the information security management system to establish its scope.

信息技术-安全技术-信息安全管理体系-要求

1 范围

本标准从组织环境的角度，为建立、实施、运行、保持和持续改进信息安全管理体系规定了要求。本标准还规定了为适应组织需要而定制的信息安全风险评估和处置的要求。本标准规定的要求是通用的，适用于各种类型、规模和特性的组织。组织声称符合本标准时，对于第4章到第10章的要求不能删减。

2 规范性引用文件

下列文件的全部或部分内容在本文件中进行了规范引用，对于其应用是必不可少的。凡是注日期的引用文件，只有引用的版本适用于本标准；凡是不注日期的引用文件，其最新版本（包括任何修改）适用于本标准。

ISO/IEC 27000，信息技术—安全技术—信息安全管理体系—概述和词汇

3 术语和定义

ISO/IEC 27000中的术语和定义适用于本标准。

4 组织环境

4.1 理解组织及其环境

组织应确定与其目标相关并影响其实现信息安全管理体系预期结果的能力的外部 and 内部问题。

注：确定这些问题涉及到建立组织的外部 and 内部环境，在ISO 31000:2009^[5]的5.3节考虑了这一事项。

4.2 理解相关方的需求和期望

组织应确定：

- a) 与信息安全管理体系有关的相关方；
- b) 这些相关方与信息安全有关的要求

注：相关方的要求可能包括法律法规要求和合同义务。

4.3 确定信息安全管理体系的范围

组织应确定信息安全管理体系的边界和适用性，以建立其范围。

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When determining this scope, the organization shall consider:

- a) the external and internal issues referred to in [4.1](#);
- b) the requirements referred to in [4.2](#); and
- c) interfaces and dependencies between activities performed by the organization, and those that are performed by other organizations.

The scope shall be available as documented information.

4.4 Information security management system

The organization shall establish, implement, maintain and continually improve an information security management system, in accordance with the requirements of this International Standard.

5 Leadership

5.1 Leadership and commitment

Top management shall demonstrate leadership and commitment with respect to the information security management system by:

- a) ensuring the information security policy and the information security objectives are established and are compatible with the strategic direction of the organization;
- b) ensuring the integration of the information security management system requirements into the organization's processes;
- c) ensuring that the resources needed for the information security management system are available;
- d) communicating the importance of effective information security management and of conforming to the information security management system requirements;
- e) ensuring that the information security management system achieves its intended outcome(s);
- f) directing and supporting persons to contribute to the effectiveness of the information security management system;
- g) promoting continual improvement; and
- h) supporting other relevant management roles to demonstrate their leadership as it applies to their areas of responsibility.

5.2 Policy

Top management shall establish an information security policy that:

- a) is appropriate to the purpose of the organization;
- b) includes information security objectives (see [6.2](#)) or provides the framework for setting information security objectives;
- c) includes a commitment to satisfy applicable requirements related to information security; and
- d) includes a commitment to continual improvement of the information security management system.

The information security policy shall:

- e) be available as documented information;

当确定该范围时，组织应考虑：

- a) 在 4.1 中提及的外部 and 内部问题；
 - b) 在 4.2 中提及的要求；
 - c) 组织所执行的活动之间以及与其它组织的活动之间的接口和依赖性
- 范围应文件化并保持可用性。

4.4 信息安全管理体系统

组织应按照本标准的要求建立、实施、保持和持续改进信息安全管理体系统。

5 领导

5.1 领导和承诺

高层管理者应通过下列方式展示其关于信息安全管理体系统的领导力和承诺：

- a) 确保建立信息安全方针和信息安全目标，并与组织的战略方向保持一致；
- b) 确保将信息安全管理体系统要求整合到组织的业务过程中；
- c) 确保信息安全管理体系统所需资源可用；
- d) 传达信息安全管理有效实施、符合信息安全管理体系统要求的重要性；
- e) 确保信息安全管理体系统实现其预期结果；
- f) 指挥并支持人员为信息安全管理体系统的有效实施作出贡献；
- g) 促进持续改进；
- h) 支持其他相关管理角色在其职责范围内展示他们的领导力。

5.2 方针

高层管理者应建立信息安全方针，以：

- a) 适于组织的目标；
- b) 包含信息安全目标（见 6.2）或设置信息安全目标提供框架；
- c) 包含满足适用的信息安全相关要求的承诺；
- d) 包含信息安全管理体系统持续改进的承诺。

信息安全方针应：

- e) 文件化并保持可用性；

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- f) be communicated within the organization; and
- g) be available to interested parties, as appropriate.

5.3 Organizational roles, responsibilities and authorities

Top management shall ensure that the responsibilities and authorities for roles relevant to information security are assigned and communicated.

Top management shall assign the responsibility and authority for:

- a) ensuring that the information security management system conforms to the requirements of this International Standard; and
- b) reporting on the performance of the information security management system to top management.

NOTE Top management may also assign responsibilities and authorities for reporting performance of the information security management system within the organization.

6 Planning

6.1 Actions to address risks and opportunities

6.1.1 General

When planning for the information security management system, the organization shall consider the issues referred to in [4.1](#) and the requirements referred to in [4.2](#) and determine the risks and opportunities that need to be addressed to:

- a) ensure the information security management system can achieve its intended outcome(s);
- b) prevent, or reduce, undesired effects; and
- c) achieve continual improvement.

The organization shall plan:

- d) actions to address these risks and opportunities; and
- e) how to
 - 1) integrate and implement the actions into its information security management system processes; and
 - 2) evaluate the effectiveness of these actions.

6.1.2 Information security risk assessment

The organization shall define and apply an information security risk assessment process that:

- a) establishes and maintains information security risk criteria that include:
 - 1) the risk acceptance criteria; and
 - 2) criteria for performing information security risk assessments;
- b) ensures that repeated information security risk assessments produce consistent, valid and comparable results;

- f) 在组织内部进行传达；
- g) 适当时，对相关方可用。

5.3 组织角色、职责和权限

高层管理者应确保分配并传达了信息安全相关角色的职责和权限。

高层管理者应分配下列职责和权限：

- a) 确保信息安全管理符合本标准的要求；
- b) 将信息安全管理体的绩效报告给高层管理者。

注：高层管理者可能还要分配在组织内部报告信息安全管理体绩效的职责和权限。

6 规划

6.1 应对风险和机会的措施

6.1.1 总则

当规划信息安全管理体时，组织应考虑4.1中提及的问题和4.2中提及的要求，确定需要应对的风险和机会，以：

- a) 确保信息安全管理体能够实现其预期结果；
- b) 防止或减少意外的影响；
- c) 实现持续改进。

组织应规划：

- d) 应对这些风险和机会的措施；
- e) 如何
 - 1) 整合和实施这些措施并将其纳入信息安全管理体过程；
 - 2) 评价这些措施的有效性。

6.1.2 信息安全风险评估

组织应定义并应用风险评估过程，以：

- a) 建立并保持信息安全风险准则，包括：
 - 1) 风险接受准则；
 - 2) 执行信息安全风险评估的准则；
- b) 确保重复性的信息安全风险评估可产生一致的、有效的和可比较的结果；

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- c) identifies the information security risks:
 - 1) apply the information security risk assessment process to identify risks associated with the loss of confidentiality, integrity and availability for information within the scope of the information security management system; and
 - 2) identify the risk owners;
- d) analyses the information security risks:
 - 1) assess the potential consequences that would result if the risks identified in [6.1.2 c\) 1\)](#) were to materialize;
 - 2) assess the realistic likelihood of the occurrence of the risks identified in [6.1.2 c\) 1\)](#); and
 - 3) determine the levels of risk;
- e) evaluates the information security risks:
 - 1) compare the results of risk analysis with the risk criteria established in [6.1.2 a\)](#); and
 - 2) prioritize the analysed risks for risk treatment.

The organization shall retain documented information about the information security risk assessment process.

6.1.3 Information security risk treatment

The organization shall define and apply an information security risk treatment process to:

- a) select appropriate information security risk treatment options, taking account of the risk assessment results;
- b) determine all controls that are necessary to implement the information security risk treatment option(s) chosen;

NOTE Organizations can design controls as required, or identify them from any source.

- c) compare the controls determined in [6.1.3 b\)](#) above with those in [Annex A](#) and verify that no necessary controls have been omitted;

NOTE 1 [Annex A](#) contains a comprehensive list of control objectives and controls. Users of this International Standard are directed to [Annex A](#) to ensure that no necessary controls are overlooked.

NOTE 2 Control objectives are implicitly included in the controls chosen. The control objectives and controls listed in [Annex A](#) are not exhaustive and additional control objectives and controls may be needed.

- d) produce a Statement of Applicability that contains the necessary controls (see [6.1.3 b\)](#) and c)) and justification for inclusions, whether they are implemented or not, and the justification for exclusions of controls from [Annex A](#);
- e) formulate an information security risk treatment plan; and
- f) obtain risk owners' approval of the information security risk treatment plan and acceptance of the residual information security risks.

The organization shall retain documented information about the information security risk treatment process.

NOTE The information security risk assessment and treatment process in this International Standard aligns with the principles and generic guidelines provided in ISO 31000[5].

- c) 识别信息安全风险：
 - 1) 应用信息安全风险评估过程来识别信息安全管理体制范围内的信息丧失保密性、完整性和可用性的相关风险；
 - 2) 识别风险负责人；
- d) 分析信息安全风险：
 - 1) 评估 6.1.2 c) 1) 中所识别风险发生后将导致的潜在影响；
 - 2) 评估 6.1.2 c) 1) 中所识别风险发生的现实可能性；
 - 3) 确定风险级别；
- e) 评价信息安全风险：
 - 1) 将风险分析结果同 6.1.2 a) 建立的风险准则进行比较；
 - 2) 为实施风险处置确定已分析风险的优先级。

组织应保留信息安全风险评估过程的文件记录信息。

6.1.3 信息安全风险处置

组织应定义并应用信息安全风险处置过程，以：

- a) 在考虑风险评估结果的前提下，选择适当的信息安全风险处置选项；
- b) 为实施所选择的信息安全风险处置选项，确定所有必需的控制措施；
注：组织可按要求设计控制措施，或从其他来源识别控制措施。
- c) 将 6.1.3 b) 所确定的控制措施与附录 A 的控制措施进行比较，以核实没有遗漏必要的控制措施；
注1：附录 A 包含了一份全面的控制目标和控制措施的列表。本标准用户可利用附录 A 以确保不会遗漏必要的控制措施。
注2：控制目标包含于所选择的控制措施内。附录 A 所列的控制目标和控制措施并不是所有的控制目标和控制措施，组织也可能需要另外的控制目标和控制措施。
- d) 产生适用性声明。适用性声明要包含必要的控制措施（见 6.1.3 b) 和 c)）、对包含的合理性说明（无论是否已实施）以及对附录 A 控制措施删减的合理性说明；
- e) 制定信息安全风险处置计划；
- f) 获得风险负责人对信息安全风险处置计划以及接受信息安全残余风险的批准。

组织应保留信息安全风险处置过程的文件记录信息。

注：本标准中的信息安全风险评估和处置过程可与 ISO 31000^[5]中规定的原则和通用指南相结合。

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6.2 Information security objectives and planning to achieve them

The organization shall establish information security objectives at relevant functions and levels.

The information security objectives shall:

- a) be consistent with the information security policy;
- b) be measurable (if practicable);
- c) take into account applicable information security requirements, and results from risk assessment and risk treatment;
- d) be communicated; and
- e) be updated as appropriate.

The organization shall retain documented information on the information security objectives.

When planning how to achieve its information security objectives, the organization shall determine:

- f) what will be done;
- g) what resources will be required;
- h) who will be responsible;
- i) when it will be completed; and
- j) how the results will be evaluated.

7 Support

7.1 Resources

The organization shall determine and provide the resources needed for the establishment, implementation, maintenance and continual improvement of the information security management system.

7.2 Competence

The organization shall:

- a) determine the necessary competence of person(s) doing work under its control that affects its information security performance;
- b) ensure that these persons are competent on the basis of appropriate education, training, or experience;
- c) where applicable, take actions to acquire the necessary competence, and evaluate the effectiveness of the actions taken; and
- d) retain appropriate documented information as evidence of competence.

NOTE Applicable actions may include, for example: the provision of training to, the mentoring of, or the re-assignment of current employees; or the hiring or contracting of competent persons.

7.3 Awareness

Persons doing work under the organization's control shall be aware of:

- a) the information security policy;

6.2 信息安全目标和规划实现

组织应在相关职能和层次上建立信息安全目标。

信息安全目标应：

- a) 与信息安全方针一致；
- b) 可测量（如可行）；
- c) 考虑适用的信息安全要求以及风险评估和风险处置结果；
- d) 被传达；
- e) 适当时进行更新。

组织应保留关于信息安全目标的文件记录信息。

当规划如何实现其信息安全目标时，组织应确定：

- f) 要做什么；
- g) 需要什么资源；
- h) 由谁负责；
- i) 什么时候完成；
- a) 如何评价结果。

7 支持

7.1 资源

组织应确定并提供建立、实施、保持和持续改进信息安全管理体系所需的资源。

7.2 能力

组织应：

- a) 确定从事影响信息安全执行工作的人员在组织的控制下从事其工作的必要能力；
- b) 确保人员在适当教育，培训和经验的基础上能够胜任工作；
- c) 适用时，采取措施来获得必要的能力，并评价所采取措施的有效性；
- d) 保留适当的文件记录信息作为能力方面的证据。

注：例如适当措施可能包括为现有员工提供培训、对其进行指导或重新分配工作；雇用或签约有能力的人员。

7.3 意识

人员在组织的控制下从事其工作时应意识到：

- a) 信息安全方针；

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- b) their contribution to the effectiveness of the information security management system, including the benefits of improved information security performance; and
- c) the implications of not conforming with the information security management system requirements.

7.4 Communication

The organization shall determine the need for internal and external communications relevant to the information security management system including:

- a) on what to communicate;
- b) when to communicate;
- c) with whom to communicate;
- d) who shall communicate; and
- e) the processes by which communication shall be effected.

7.5 Documented information

7.5.1 General

The organization's information security management system shall include:

- a) documented information required by this International Standard; and
- b) documented information determined by the organization as being necessary for the effectiveness of the information security management system.

NOTE The extent of documented information for an information security management system can differ from one organization to another due to:

- 1) the size of organization and its type of activities, processes, products and services;
- 2) the complexity of processes and their interactions; and
- 3) the competence of persons.

7.5.2 Creating and updating

When creating and updating documented information the organization shall ensure appropriate:

- a) identification and description (e.g. a title, date, author, or reference number);
- b) format (e.g. language, software version, graphics) and media (e.g. paper, electronic); and
- c) review and approval for suitability and adequacy.

7.5.3 Control of documented information

Documented information required by the information security management system and by this International Standard shall be controlled to ensure:

- a) it is available and suitable for use, where and when it is needed; and
- b) it is adequately protected (e.g. from loss of confidentiality, improper use, or loss of integrity).

- b) 他们对有效实施信息安全管理体的贡献，包括信息安全绩效改进后的益处；
- c) 不符合信息安全管理体要求可能的影响。

7.4 沟通

组织应确定有关信息安全管理体在内部和外部进行沟通的需求，包括：

- a) 什么需要沟通；
- b) 什么时候沟通；
- c) 跟谁进行沟通；
- d) 由谁负责沟通；
- e) 影响沟通的过程。

7.5 文件记录信息

7.5.1 总则

组织的信息安全管理体应包括：

- a) 本标准要求的文件记录信息；
- b) 组织为有效实施信息安全管理体确定的必要的文件记录信息。

注：不同组织的信息安全管理体文件记录信息的详略程度取决于：

- 1) 组织的规模及其活动、过程、产品和服务的类型；
- 2) 过程的复杂性及其相互作用；
- 3) 人员的能力。

7.5.2 创建和更新

创建和更新文件记录信息时，组织应确保适当的：

- a) 标识和描述（例如：标题、日期、作者或参考编号）；
- b) 格式（例如：语言，软件版本，图表）和介质（例如：纸质介质，电子介质）；
- c) 评审和批准其适用性和充分性。

7.5.3 文件记录信息的控制

信息安全管理体和本标准所要求的文件记录信息应予以控制，以确保：

- a) 无论何时何地需要，它都是可用并适合使用的；
- b) 它被充分保护（例如避免丧失保密性、使用不当或丧失完整性）。

For the control of documented information, the organization shall address the following activities, as applicable:

- c) distribution, access, retrieval and use;
- d) storage and preservation, including the preservation of legibility;
- e) control of changes (e.g. version control); and
- f) retention and disposition.

Documented information of external origin, determined by the organization to be necessary for the planning and operation of the information security management system, shall be identified as appropriate, and controlled.

NOTE Access implies a decision regarding the permission to view the documented information only, or the permission and authority to view and change the documented information, etc.

8 Operation

8.1 Operational planning and control

The organization shall plan, implement and control the processes needed to meet information security requirements, and to implement the actions determined in [6.1](#). The organization shall also implement plans to achieve information security objectives determined in [6.2](#).

The organization shall keep documented information to the extent necessary to have confidence that the processes have been carried out as planned.

The organization shall control planned changes and review the consequences of unintended changes, taking action to mitigate any adverse effects, as necessary.

The organization shall ensure that outsourced processes are determined and controlled.

8.2 Information security risk assessment

The organization shall perform information security risk assessments at planned intervals or when significant changes are proposed or occur, taking account of the criteria established in [6.1.2 a\)](#).

The organization shall retain documented information of the results of the information security risk assessments.

8.3 Information security risk treatment

The organization shall implement the information security risk treatment plan.

The organization shall retain documented information of the results of the information security risk treatment.

9 Performance evaluation

9.1 Monitoring, measurement, analysis and evaluation

The organization shall evaluate the information security performance and the effectiveness of the information security management system.

The organization shall determine:

- a) what needs to be monitored and measured, including information security processes and controls;

对于文件记录信息的控制，适用时，组织应处理下列问题：

- c) 分发、访问、检索和使用；
- d) 存储和保存，包括可读性的保持；
- e) 变更控制（例如版本控制）；
- f) 保留和和处置。

组织为规划和实施信息安全管理体系确定的必要的外部原始文件记录信息，适当时应予以识别并进行控制。

注：访问隐含一个权限决策：仅能查看文件记录信息，或有权去查看和变更文件记录信息等。

8 运行

8.1 运行的规划和控制

组织应规划、实施和控制满足信息安全要求所需的过程，并实施6.1中确定的措施。组织还应实施这些规划来实现6.2中所确定的信息安全目标。

组织应保持文件记录信息达到必要的程度：有信心证明过程是按计划执行的。

组织应控制计划的变更，评审非预期变更的后果，必要时采取措施减缓负面影响。

组织应确保外包的过程已确定，并处于可控状态。

8.2 信息安全风险评估

考虑到6.1.2 a) 中建立的风险评估执行准则，组织应按计划的时间间隔执行信息安全风险评估，当重大变更被提出或发生时也应执行信息安全风险评估。

组织应保留信息安全风险评估结果的文件记录信息。

8.3 信息安全风险处置

组织应实施信息安全风险处置计划。

组织应保留信息安全风险处置结果的文件记录信息。

9 绩效评价

9.1 监视、测量、分析和评价

组织应评价信息安全绩效和信息安全管理体系的有效性。

组织应确定：

- a) 什么需要监视和测量，包括信息安全过程和控制措施；

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- b) the methods for monitoring, measurement, analysis and evaluation, as applicable, to ensure valid results;

NOTE The methods selected should produce comparable and reproducible results to be considered valid.

- c) when the monitoring and measuring shall be performed;
- d) who shall monitor and measure;
- e) when the results from monitoring and measurement shall be analysed and evaluated; and
- f) who shall analyse and evaluate these results.

The organization shall retain appropriate documented information as evidence of the monitoring and measurement results.

9.2 Internal audit

The organization shall conduct internal audits at planned intervals to provide information on whether the information security management system:

- a) conforms to
 - 1) the organization's own requirements for its information security management system; and
 - 2) the requirements of this International Standard;
- b) is effectively implemented and maintained.

The organization shall:

- c) plan, establish, implement and maintain an audit programme(s), including the frequency, methods, responsibilities, planning requirements and reporting. The audit programme(s) shall take into consideration the importance of the processes concerned and the results of previous audits;
- d) define the audit criteria and scope for each audit;
- e) select auditors and conduct audits that ensure objectivity and the impartiality of the audit process;
- f) ensure that the results of the audits are reported to relevant management; and
- g) retain documented information as evidence of the audit programme(s) and the audit results.

9.3 Management review

Top management shall review the organization's information security management system at planned intervals to ensure its continuing suitability, adequacy and effectiveness.

The management review shall include consideration of:

- a) the status of actions from previous management reviews;
- b) changes in external and internal issues that are relevant to the information security management system;
- c) feedback on the information security performance, including trends in:
 - 1) nonconformities and corrective actions;
 - 2) monitoring and measurement results;
 - 3) audit results; and

b) 监视、测量、分析和评价的方法，适用时，确保结果有效；

注：选择的方法最好产生可比较和可再现的结果，这样才能被认为是有效的。

c) 什么时候应执行监视和测量；

d) 谁应实施监视和测量；

e) 什么时候应对监视和测量的结果进行分析和评价；

f) 谁应分析和评价这些结果。

组织应保留适当的文件记录信息作为监视和测量结果的证据。

9.2 内部审核

组织应按计划的时间间隔进行内部审核，以提供信息确定信息安全管理体系是否：

a) 符合

1) 组织自身信息安全管理体系的要求；

2) 本标准的要求；

b) 得到有效的实施和保持。

组织应：

c) 规划、建立、实施和保持审核方案，包括频次、方法、职责、计划要求和报告。审核方案应考虑所关注过程的重要性以及以往审核的结果；

d) 为每次审核定义审核准则和审核范围；

e) 审核员的选择和审核的实施应确保审核过程的客观性和公正性；

f) 确保审核结果报告给相关的管理者；

g) 保留文件记录信息作为审核方案和审核结果的证据。

9.3 管理评审

管理者应按计划的时间间隔评审组织的信息安全管理体系，以确保其持续的适宜性、充分性和有效性。

管理评审应包括下列方面的考虑：

a) 以往管理评审的措施的状态；

b) 与信息安全管理体系相关的外部 and 内部问题的变更；

c) 信息安全绩效的反馈，包括下列方面的趋势：

1) 不符合和纠正措施；

2) 监视和测量结果；

3) 审核结果；

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- 4) fulfilment of information security objectives;
- d) feedback from interested parties;
- e) results of risk assessment and status of risk treatment plan; and
- f) opportunities for continual improvement.

The outputs of the management review shall include decisions related to continual improvement opportunities and any needs for changes to the information security management system.

The organization shall retain documented information as evidence of the results of management reviews.

10 Improvement

10.1 Nonconformity and corrective action

When a nonconformity occurs, the organization shall:

- a) react to the nonconformity, and as applicable:
 - 1) take action to control and correct it; and
 - 2) deal with the consequences;
- b) evaluate the need for action to eliminate the causes of nonconformity, in order that it does not recur or occur elsewhere, by:
 - 1) reviewing the nonconformity;
 - 2) determining the causes of the nonconformity; and
 - 3) determining if similar nonconformities exist, or could potentially occur;
- c) implement any action needed;
- d) review the effectiveness of any corrective action taken; and
- e) make changes to the information security management system, if necessary.

Corrective actions shall be appropriate to the effects of the nonconformities encountered.

The organization shall retain documented information as evidence of:

- f) the nature of the nonconformities and any subsequent actions taken, and
- g) the results of any corrective action.

10.2 Continual improvement

The organization shall continually improve the suitability, adequacy and effectiveness of the information security management system.

- 4) 信息安全目标的实现;
- d) 相关方的反馈;
- e) 风险评估的结果和风险处置计划的状态;
- f) 持续改进的机会。

管理评审的输出应包括与持续改进机会有关的决定，以及变更信息安全管理体的所有需求。

组织应保留文件记录信息作为管理评审结果的证据。

10 改进

10.1 不符合和纠正措施

当发生不符合时，组织应：

- a) 对不符合作出反应，适用时：
 - 1) 采取措施控制并纠正不符合；
 - 2) 处理后果；
- b) 为确保不符合不再发生或不在其他地方发生，通过下列方式评价消除不符合原因的措施需求：
 - 1) 评审不符合；
 - 2) 确定不符合的原因；
 - 3) 确定是否存在或可能发生相似的不符合；
- c) 实施所需的措施；
- d) 评审所采取纠正措施的有效性；
- e) 必要时，对信息安全管理体实施变更。

纠正措施应与所遇不符合的影响相适应。

组织应保留文件记录信息作为下列事项的证据：

- f) 不符合的性质以及所采取的所有后续措施；
- g) 所有纠正措施的结果。

10.2 持续改进

组织应持续改进信息安全管理体的适宜性、充分性和有效性。

Annex A (normative)

Reference control objectives and controls

The control objectives and controls listed in [Table A.1](#) are directly derived from and aligned with those listed in ISO/IEC 27002:2013^[1], Clauses 5 to 18 and are to be used in context with [Clause 6.1.3](#).

Table A.1 — Control objectives and controls

A.5 Information security policies		
A.5.1 Management direction for information security		
Objective: To provide management direction and support for information security in accordance with business requirements and relevant laws and regulations.		
A.5.1.1	Policies for information security	<i>Control</i> A set of policies for information security shall be defined, approved by management, published and communicated to employees and relevant external parties.
A.5.1.2	Review of the policies for information security	<i>Control</i> The policies for information security shall be reviewed at planned intervals or if significant changes occur to ensure their continuing suitability, adequacy and effectiveness.
A.6 Organization of information security		
A.6.1 Internal organization		
Objective: To establish a management framework to initiate and control the implementation and operation of information security within the organization.		
A.6.1.1	Information security roles and responsibilities	<i>Control</i> All information security responsibilities shall be defined and allocated.
A.6.1.2	Segregation of duties	<i>Control</i> Conflicting duties and areas of responsibility shall be segregated to reduce opportunities for unauthorized or unintentional modification or misuse of the organization's assets.
A.6.1.3	Contact with authorities	<i>Control</i> Appropriate contacts with relevant authorities shall be maintained.
A.6.1.4	Contact with special interest groups	<i>Control</i> Appropriate contacts with special interest groups or other specialist security forums and professional associations shall be maintained.
A.6.1.5	Information security in project management	<i>Control</i> Information security shall be addressed in project management, regardless of the type of the project.
A.6.2 Mobile devices and teleworking		
Objective: To ensure the security of teleworking and use of mobile devices.		

附录 A

(规范性附录)

参考控制目标和控制措施

表 A.1 所列的控制目标和控制措施是直接源自并与 ISO/IEC DIS 27002:2013^[1]第 5 到 18 章一致, 可用于 6.1.3 节的情境。

表 A.1 控制目标和控制措施

A.5 信息安全策略		
A.5.1 信息安全管理方向		
目标: 依据业务要求和相关法律法规提供管理方向并支持信息安全。		
A.5.1.1	信息安全策略	<i>控制措施</i> 信息安全策略集应由管理者定义、批准、发布并传达给员工和相关外部方。
A.5.1.2	信息安全策略的评审	<i>控制措施</i> 信息安全策略应按计划的时间间隔或当重大变化发生时进行评审, 以确保其持续的适宜性、充分性和有效性。
A.6 信息安全组织		
A.6.1 内部组织		
目标: 建立管理框架, 以启动和控制组织范围内的信息安全的实施和运行。		
A.6.1.1	信息安全角色和职责	<i>控制措施</i> 所有的信息安全职责应予以定义和分配。
A.6.1.2	职责分离	<i>控制措施</i> 分离相冲突的责任及职责范围, 以降低未授权或无意识的修改或者不当使用组织资产的机会。
A.6.1.3	与政府部门的联系	<i>控制措施</i> 应保持与政府相关部门的适当联系。
A.6.1.4	与特定利益集团的联系	<i>控制措施</i> 应保持与特定利益集团、其他安全论坛和专业协会的适当联系。
A.6.1.5	项目管理中的信息安全	<i>控制措施</i> 无论项目是什么类型, 在项目管理中都应处理信息安全问题。
A.6.2 移动设备和远程工作		
目标: 确保远程工作和使用移动设备时的安全。		

Table A.1 (continued)

A.6.2.1	Mobile device policy	<i>Control</i> A policy and supporting security measures shall be adopted to manage the risks introduced by using mobile devices.
A.6.2.2	Teleworking	<i>Control</i> A policy and supporting security measures shall be implemented to protect information accessed, processed or stored at teleworking sites.
A.7 Human resource security		
A.7.1 Prior to employment		
Objective: To ensure that employees and contractors understand their responsibilities and are suitable for the roles for which they are considered.		
A.7.1.1	Screening	<i>Control</i> Background verification checks on all candidates for employment shall be carried out in accordance with relevant laws, regulations and ethics and shall be proportional to the business requirements, the classification of the information to be accessed and the perceived risks.
A.7.1.2	Terms and conditions of employment	<i>Control</i> The contractual agreements with employees and contractors shall state their and the organization's responsibilities for information security.
A.7.2 During employment		
Objective: To ensure that employees and contractors are aware of and fulfil their information security responsibilities.		
A.7.2.1	Management responsibilities	<i>Control</i> Management shall require all employees and contractors to apply information security in accordance with the established policies and procedures of the organization.
A.7.2.2	Information security awareness, education and training	<i>Control</i> All employees of the organization and, where relevant, contractors shall receive appropriate awareness education and training and regular updates in organizational policies and procedures, as relevant for their job function.
A.7.2.3	Disciplinary process	<i>Control</i> There shall be a formal and communicated disciplinary process in place to take action against employees who have committed an information security breach.
A.7.3 Termination and change of employment		
Objective: To protect the organization's interests as part of the process of changing or terminating employment.		
A.7.3.1	Termination or change of employment responsibilities	<i>Control</i> Information security responsibilities and duties that remain valid after termination or change of employment shall be defined, communicated to the employee or contractor and enforced.
A.8 Asset management		
A.8.1 Responsibility for assets		

A.6.2.1	移动设备策略	<i>控制措施</i> 应采用策略和支持性安全措施来管理由于使用移动设备带来的风险。
A.6.2.2	远程工作	<i>控制措施</i> 应实施策略和支持性安全措施来保护在远程工作场地访问、处理或存储的信息。
A.7 人力资源安全		
A.7.1 任用之前		
<i>目标</i> : 确保雇员和承包方人员理解其职责、适于考虑让其承担的角色。		
A.7.1.1	审查	<i>控制措施</i> 关于所有任用候选者的背景验证核查应按照相关法律、法规、道德规范和对应的业务要求、被访问信息的类别和察觉的风险来执行。
A.7.1.2	任用条款和条件	<i>控制措施</i> 与雇员和承包方人员的合同协议应声明他们和组织的信息安全职责。
A.7.2 任用中		
<i>目标</i> : 确保雇员和承包方人员知悉并履行其信息安全职责。		
A.7.2.1	管理职责	<i>控制措施</i> 管理者应要求所有雇员和承包方人员按照组织已建立的策略和规程对信息安全尽心尽力。
A.7.2.2	信息安全意识、教育和培训	<i>控制措施</i> 组织的所有雇员，适当时，包括承包方人员，应受到与其工作职能相关的适当的意识培训和组织策略及规程的定期更新培训。
A.7.2.3	纪律处理过程	<i>控制措施</i> 应有一个正式的、已传达的纪律处理过程，来对信息安全违规的雇员采取措施。
A.7.3 任用的终止或变更		
<i>目标</i> : 将保护组织利益作为变更或终止任用过程的一部分。		
A.7.3.1	任用终止或变更职责	<i>控制措施</i> 应定义信息安全职责和义务在任用终止或变更后保持有效的要求，并传达给雇员或承包方人员，予以执行。
A.8 资产管理		
A.8.1 对资产负责		

Table A.1 (continued)

Objective: To identify organizational assets and define appropriate protection responsibilities.		
A.8.1.1	Inventory of assets	<i>Control</i> Assets associated with information and information processing facilities shall be identified and an inventory of these assets shall be drawn up and maintained.
A.8.1.2	Ownership of assets	<i>Control</i> Assets maintained in the inventory shall be owned.
A.8.1.3	Acceptable use of assets	<i>Control</i> Rules for the acceptable use of information and of assets associated with information and information processing facilities shall be identified, documented and implemented.
A.8.1.4	Return of assets	<i>Control</i> All employees and external party users shall return all of the organizational assets in their possession upon termination of their employment, contract or agreement.
A.8.2 Information classification		
Objective: To ensure that information receives an appropriate level of protection in accordance with its importance to the organization.		
A.8.2.1	Classification of information	<i>Control</i> Information shall be classified in terms of legal requirements, value, criticality and sensitivity to unauthorised disclosure or modification.
A.8.2.2	Labelling of information	<i>Control</i> An appropriate set of procedures for information labelling shall be developed and implemented in accordance with the information classification scheme adopted by the organization.
A.8.2.3	Handling of assets	<i>Control</i> Procedures for handling assets shall be developed and implemented in accordance with the information classification scheme adopted by the organization.
A.8.3 Media handling		
Objective: To prevent unauthorized disclosure, modification, removal or destruction of information stored on media.		
A.8.3.1	Management of removable media	<i>Control</i> Procedures shall be implemented for the management of removable media in accordance with the classification scheme adopted by the organization.
A.8.3.2	Disposal of media	<i>Control</i> Media shall be disposed of securely when no longer required, using formal procedures.
A.8.3.3	Physical media transfer	<i>Control</i> Media containing information shall be protected against unauthorized access, misuse or corruption during transportation.
A.9 Access control		
A.9.1 Business requirements of access control		

<i>目标</i> : 识别组织资产, 并定义适当的保护职责。		
A.8.1.1	资产清单	<i>控制措施</i> 应识别与信息 and 信息处理设施的资产, 编制并维护这些资产的清单。
A.8.1.2	资产所有权	<i>控制措施</i> 清单中所维护的资产应分配所有权。
A.8.1.3	资产的可接受使用	<i>控制措施</i> 信息及与信息 and 信息处理设施有关的资产的可接受使用规则应被确定、形成文件并加以实施。
A.8.1.4	资产的归还	<i>控制措施</i> 所有的雇员和外部方人员在终止任用、合同或协议时, 应归还他们使用的所有组织资产。
A.8.2 信息分类		
<i>目标</i> : 确保信息按照其对组织的重要性受到适当级别的保护。		
A.8.2.1	信息的分类	<i>控制措施</i> 信息应按照法律要求、价值、关键性以及它对未授权泄露或修改的敏感性予以分类。
A.8.2.2	信息的标记	<i>控制措施</i> 应按照组织所采纳的信息分类机制建立和实施一组合适的信息标记规程。
A.8.2.3	信息的处理	<i>控制措施</i> 应按照组织所采纳的信息分类机制建立和实施处理资产的规程。
A.8.3 介质处置		
<i>目标</i> : 防止存储在介质上的信息遭受未授权泄露、修改、移动或销毁。		
A.8.3.1	可移动介质的管理	<i>控制措施</i> 应按照组织所采纳的分类机制实施可移动介质的管理规程。
A.8.3.2	介质的处置	<i>控制措施</i> 不再需要的介质, 应使用正式的规程可靠并安全地处置。
A.8.3.3	物理介质传输	<i>控制措施</i> 包含信息的介质在运送时, 应防止未授权的访问、不当使用或毁坏。
A.9 访问控制		
A.9.1 安全区域		

Table A.1 (continued)

Objective: To limit access to information and information processing facilities.		
A.9.1.1	Access control policy	<i>Control</i> An access control policy shall be established, documented and reviewed based on business and information security requirements.
A.9.1.2	Access to networks and network services	<i>Control</i> Users shall only be provided with access to the network and network services that they have been specifically authorized to use.
A.9.2 User access management		
Objective: To ensure authorized user access and to prevent unauthorized access to systems and services.		
A.9.2.1	User registration and de-registration	<i>Control</i> A formal user registration and de-registration process shall be implemented to enable assignment of access rights.
A.9.2.2	User access provisioning	<i>Control</i> A formal user access provisioning process shall be implemented to assign or revoke access rights for all user types to all systems and services.
A.9.2.3	Management of privileged access rights	<i>Control</i> The allocation and use of privileged access rights shall be restricted and controlled.
A.9.2.4	Management of secret authentication information of users	<i>Control</i> The allocation of secret authentication information shall be controlled through a formal management process.
A.9.2.5	Review of user access rights	<i>Control</i> Asset owners shall review users' access rights at regular intervals.
A.9.2.6	Removal or adjustment of access rights	<i>Control</i> The access rights of all employees and external party users to information and information processing facilities shall be removed upon termination of their employment, contract or agreement, or adjusted upon change.
A.9.3 User responsibilities		
Objective: To make users accountable for safeguarding their authentication information.		
A.9.3.1	Use of secret authentication information	<i>Control</i> Users shall be required to follow the organization's practices in the use of secret authentication information.
A.9.4 System and application access control		
Objective: To prevent unauthorized access to systems and applications.		
A.9.4.1	Information access restriction	<i>Control</i> Access to information and application system functions shall be restricted in accordance with the access control policy.
A.9.4.2	Secure log-on procedures	<i>Control</i> Where required by the access control policy, access to systems and applications shall be controlled by a secure log-on procedure.

<i>目标</i> : 限制对信息和信息处理设施的访问。		
A.9.1.1	访问控制策略	<i>控制措施</i> 访问控制策略应建立、形成文件,并基于业务和信息安全要求进行评审。
A.9.1.2	网络和网络服务的访问	<i>控制措施</i> 用户应仅能访问已获专门授权使用的网络和网络服务。
A.9.2 用户访问管理		
<i>目标</i> : 确保授权用户访问系统和服务,并防止未授权的访问。		
A.9.2.1	用户注册及注销	<i>控制措施</i> 应实施正式的用户注册及注销规程,使访问权限得以分配。
A.9.2.2	用户访问开通	<i>控制措施</i> 应实施正式的用户访问开通过程,以分配或撤销所有系统和服务所有用户类型的访问权限。
A.9.2.3	特殊访问权限管理	<i>控制措施</i> 应限制和控制特殊访问权限的分配及使用。
A.9.2.4	用户秘密鉴别信息管理	<i>控制措施</i> 应通过正式的管理过程控制秘密鉴别信息的分配。
A.9.2.5	用户访问权限的复查	<i>控制措施</i> 资产所有者应定期复查用户的访问权限。
A.9.2.6	撤销或调整访问权限	<i>控制措施</i> 所有雇员、外部方人员对信息和信息处理设施的访问权限应在任用、合同或协议终止时撤销,或在变化时调整。
A.9.3 用户职责		
<i>目标</i> : 使用户承担保护认证信息安全的责任。		
A.9.3.1	使用秘密鉴别信息	<i>控制措施</i> 应要求用户在使用秘密鉴别信息时,遵循组织的实践。
A.9.4 系统和应用访问控制		
<i>目标</i> : 防止对系统和应用的未授权访问。		
A.9.4.1	信息访问控制	<i>控制措施</i> 应依照访问控制策略限制对信息和应用系统功能的访问。
A.9.4.2	安全登录规程	<i>控制措施</i> 在访问控制策略要求下,访问操作系统和应用应通过安全登录规程加以控制。

Table A.1 (continued)

A.9.4.3	Password management system	<i>Control</i> Password management systems shall be interactive and shall ensure quality passwords.
A.9.4.4	Use of privileged utility programs	<i>Control</i> The use of utility programs that might be capable of overriding system and application controls shall be restricted and tightly controlled.
A.9.4.5	Access control to program source code	<i>Control</i> Access to program source code shall be restricted.
A.10 Cryptography		
A.10.1 Cryptographic controls		
Objective: To ensure proper and effective use of cryptography to protect the confidentiality, authenticity and/or integrity of information.		
A.10.1.1	Policy on the use of cryptographic controls	<i>Control</i> A policy on the use of cryptographic controls for protection of information shall be developed and implemented.
A.10.1.2	Key management	<i>Control</i> A policy on the use, protection and lifetime of cryptographic keys shall be developed and implemented through their whole lifecycle.
A.11 Physical and environmental security		
A.11.1 Secure areas		
Objective: To prevent unauthorized physical access, damage and interference to the organization's information and information processing facilities.		
A.11.1.1	Physical security perimeter	<i>Control</i> Security perimeters shall be defined and used to protect areas that contain either sensitive or critical information and information processing facilities.
A.11.1.2	Physical entry controls	<i>Control</i> Secure areas shall be protected by appropriate entry controls to ensure that only authorized personnel are allowed access.
A.11.1.3	Securing offices, rooms and facilities	<i>Control</i> Physical security for offices, rooms and facilities shall be designed and applied.
A.11.1.4	Protecting against external and environmental threats	<i>Control</i> Physical protection against natural disasters, malicious attack or accidents shall be designed and applied.
A.11.1.5	Working in secure areas	<i>Control</i> Procedures for working in secure areas shall be designed and applied.
A.11.1.6	Delivery and loading areas	<i>Control</i> Access points such as delivery and loading areas and other points where unauthorized persons could enter the premises shall be controlled and, if possible, isolated from information processing facilities to avoid unauthorized access.

A.9.4.3	口令管理系统	<i>控制措施</i> 口令管理系统应是交互式的，并确保优质的口令。
A.9.4.4	特殊权限使用 工具软件的使用	<i>控制措施</i> 对于可能超越系统和应用程序控制措施的适用工具软件的使用应加以限制并严格控制。
A.9.4.5	对程序源代码 的访问控制	<i>控制措施</i> 应限制访问程序源代码。
A.10 密码学		
A.10.1 密码控制		
<i>目标</i> ：恰当和有效的利用密码学保护信息的保密性、真实性或完整性。		
A.10.1.1	使用密码控制 的策略	<i>控制措施</i> 应开发和实施使用密码控制措施来保护信息的策略。
A.10.1.2	密钥管理	<i>控制措施</i> 宜开发和实施贯穿整个密钥生命周期的关于密钥使用、保护和生存期的策略。
A.11 物理和环境安全		
A.11.1 安全区域		
<i>目标</i> ：防止对组织场所和信息的未授权物理访问、损坏和干扰。		
A.11.1.1	物理安全周边	<i>控制措施</i> 应定义安全周边和所保护的区域，包括敏感或关键的信息和信息处理设施的区域。
A.11.1.2	物理入口控制	<i>控制措施</i> 安全区域应由适合的入口控制所保护，以确保只有授权的人员才允许访问。
A.11.1.3	办公室、房间和设 施的安全保护	<i>控制措施</i> 应为办公室、房间和设施设计并采取物理安全措施。
A.11.1.4	外部环境威胁 的安全防护	<i>控制措施</i> 为防止自然灾害、恶意攻击或事件，应设计和采取物理保护措施。
A.11.1.5	在安全区域工 作	<i>控制措施</i> 应设计和应用工作在安全区域的规程。
A.11.1.6	交接区安全	<i>控制措施</i> 访问点（例如交接区）和未授权人员可进入办公场所的其他点应加以控制，如果可能，应与信息处理设施隔离，以避免未授权访问。

Table A.1 (continued)

A.11.2 Equipment		
Objective: To prevent loss, damage, theft or compromise of assets and interruption to the organization's operations.		
A.11.2.1	Equipment siting and protection	<i>Control</i> Equipment shall be sited and protected to reduce the risks from environmental threats and hazards, and opportunities for unauthorized access.
A.11.2.2	Supporting utilities	<i>Control</i> Equipment shall be protected from power failures and other disruptions caused by failures in supporting utilities.
A.11.2.3	Cabling security	<i>Control</i> Power and telecommunications cabling carrying data or supporting information services shall be protected from interception, interference or damage.
A.11.2.4	Equipment maintenance	<i>Control</i> Equipment shall be correctly maintained to ensure its continued availability and integrity.
A.11.2.5	Removal of assets	<i>Control</i> Equipment, information or software shall not be taken off-site without prior authorization.
A.11.2.6	Security of equipment and assets off-premises	<i>Control</i> Security shall be applied to off-site assets taking into account the different risks of working outside the organization's premises.
A.11.2.7	Secure disposal or re-use of equipment	<i>Control</i> All items of equipment containing storage media shall be verified to ensure that any sensitive data and licensed software has been removed or securely overwritten prior to disposal or re-use.
A.11.2.8	Unattended user equipment	<i>Control</i> Users shall ensure that unattended equipment has appropriate protection.
A.11.2.9	Clear desk and clear screen policy	<i>Control</i> A clear desk policy for papers and removable storage media and a clear screen policy for information processing facilities shall be adopted.
A.12 Operations security		
A.12.1 Operational procedures and responsibilities		
Objective: To ensure correct and secure operations of information processing facilities.		
A.12.1.1	Documented operating procedures	<i>Control</i> Operating procedures shall be documented and made available to all users who need them.
A.12.1.2	Change management	<i>Control</i> Changes to the organization, business processes, information processing facilities and systems that affect information security shall be controlled.

A.11.2 设备		
目标：防止资产的丢失、损坏、失窃或危及资产安全以及组织活动的中断。		
A.11.2.1	设备安置和保护	<i>控制措施</i> 应安置或保护设备，以减少由环境威胁和危险所造成的各种风险以及未授权访问的机会。
A.11.2.2	支持性设施	<i>控制措施</i> 应保护设备使其免于由支持性设施的失效而引起的电源故障和其他中断。
A.11.2.3	布缆安全	<i>控制措施</i> 应保证传输数据或支持信息服务的电源布缆和通信布缆免受窃听或损坏。
A.11.2.4	设备维护	<i>控制措施</i> 设备应予以正确地维护，以确保其持续的可用性和完整性。
A.11.2.5	资产的移动	<i>控制措施</i> 设备、信息或软件在授权之前不应带出组织场所。
A.11.2.6	组织场外设备和资产的安全	<i>控制措施</i> 应对组织场所外的设备采取安全措施，要考虑工作在组织场所以外的不同风险。
A.11.2.7	设备的安全处置或在利用	<i>控制措施</i> 包含储存介质的设备的所有项目应进行验证，以确保在处置之前，任何敏感信息和注册软件已被删除或安全地写覆盖。
A.11.2.8	无人值守的用户设备	<i>控制措施</i> 用户应确保无人值守的用户设备有适当的保护。
A.11.2.9	清空桌面和屏幕策略	<i>控制措施</i> 应采取清空桌面上文件、可移动存储介质的策略和清空信息处理设施屏幕的策略。
A.12 操作安全		
A.12.1 操作规程和职责		
目标：确保正确、安全的操作信息处理设施。		
A.12.1.1	文件化的操作规程	<i>控制措施</i> 操作规程应形成文件并对所有需要的用户可用。
A.12.1.2	变更管理	<i>控制措施</i> 对影响信息安全的组织、业务过程、信息处理设施和系统等的变更应加以控制。

Table A.1 (continued)

A.12.1.3	Capacity management	<i>Control</i> The use of resources shall be monitored, tuned and projections made of future capacity requirements to ensure the required system performance.
A.12.1.4	Separation of development, testing and operational environments	<i>Control</i> Development, testing, and operational environments shall be separated to reduce the risks of unauthorized access or changes to the operational environment.
A.12.2 Protection from malware		
Objective: To ensure that information and information processing facilities are protected against malware.		
A.12.2.1	Controls against malware	<i>Control</i> Detection, prevention and recovery controls to protect against malware shall be implemented, combined with appropriate user awareness.
A.12.3 Backup		
Objective: To protect against loss of data.		
A.12.3.1	Information backup	<i>Control</i> Backup copies of information, software and system images shall be taken and tested regularly in accordance with an agreed backup policy.
A.12.4 Logging and monitoring		
Objective: To record events and generate evidence.		
A.12.4.1	Event logging	<i>Control</i> Event logs recording user activities, exceptions, faults and information security events shall be produced, kept and regularly reviewed.
A.12.4.2	Protection of log information	<i>Control</i> Logging facilities and log information shall be protected against tampering and unauthorized access.
A.12.4.3	Administrator and operator logs	<i>Control</i> System administrator and system operator activities shall be logged and the logs protected and regularly reviewed.
A.12.4.4	Clock synchronisation	<i>Control</i> The clocks of all relevant information processing systems within an organization or security domain shall be synchronised to a single reference time source.
A.12.5 Control of operational software		
Objective: To ensure the integrity of operational systems.		
A.12.5.1	Installation of software on operational systems	<i>Control</i> Procedures shall be implemented to control the installation of software on operational systems.
A.12.6 Technical vulnerability management		
Objective: To prevent exploitation of technical vulnerabilities.		

A.12.1.3	容量管理	<i>控制措施</i> 资源的使用应加以监视、调整，并作出对于未来容量要求的预测，以确保拥有所需的系统性能。
A.12.1.4	开发、测试和运行环境分离	<i>控制措施</i> 开发、测试和运行环境应分离，以减少未授权访问或改变运行环境的风险。
A.12.2 恶意软件防护 <i>目标</i> ：确保对信息和信息处理设施进行恶意软件防护。		
A.12.1.1	控制恶意软件	<i>控制措施</i> 应实施恶意软件的检测、预防和恢复的控制措施，以及适当的提高用户安全意识。
A.12.3 备份 <i>目标</i> ：为了防止数据丢失。		
A.12.3.1	信息备份	<i>控制措施</i> 应按照已设的备份策略，定期备份和测试信息和软件。
A.12.4 日志和监视 <i>目标</i> ：记录事态和生成证据。		
A.12.4.1	事态记录	<i>控制措施</i> 应产生记录用户活动、异常情况、故障和信息安全事态的事态日志，并保持定期评审。
A.12.4.2	日志信息的保护	<i>控制措施</i> 记录日志的设施和日志信息应加以保护，以防止篡改和未授权的访问。
A.12.4.3	管理员和操作人员日志	<i>控制措施</i> 系统管理员和系统操作员的活动应记入日志，保护日志并定期评审。
A.12.4.4	时钟同步	<i>控制措施</i> 一个组织或安全域内的所有相关信息处理设施的时钟应使用单一参考时间源进行同步。
A.12.5 运行软件的控制 <i>目标</i> ：确保运行系统的完整性。		
A.12.5.1	在运行系统上安装软件	<i>控制措施</i> 应实施规程来控制在运行系统上安装软件。
A.12.6 技术脆弱性管理 <i>目标</i> ：防止技术脆弱性被利用。		

Table A.1 (continued)

A.12.6.1	Management of technical vulnerabilities	<i>Control</i> Information about technical vulnerabilities of information systems being used shall be obtained in a timely fashion, the organization's exposure to such vulnerabilities evaluated and appropriate measures taken to address the associated risk.
A.12.6.2	Restrictions on software installation	<i>Control</i> Rules governing the installation of software by users shall be established and implemented.
A.12.7 Information systems audit considerations		
Objective: To minimise the impact of audit activities on operational systems.		
A.12.7.1	Information systems audit controls	<i>Control</i> Audit requirements and activities involving verification of operational systems shall be carefully planned and agreed to minimise disruptions to business processes.
A.13 Communications security		
A.13.1 Network security management		
Objective: To ensure the protection of information in networks and its supporting information processing facilities.		
A.13.1.1	Network controls	<i>Control</i> Networks shall be managed and controlled to protect information in systems and applications.
A.13.1.2	Security of network services	<i>Control</i> Security mechanisms, service levels and management requirements of all network services shall be identified and included in network services agreements, whether these services are provided in-house or outsourced.
A.13.1.3	Segregation in networks	<i>Control</i> Groups of information services, users and information systems shall be segregated on networks.
A.13.2 Information transfer		
Objective: To maintain the security of information transferred within an organization and with any external entity.		
A.13.2.1	Information transfer policies and procedures	<i>Control</i> Formal transfer policies, procedures and controls shall be in place to protect the transfer of information through the use of all types of communication facilities.
A.13.2.2	Agreements on information transfer	<i>Control</i> Agreements shall address the secure transfer of business information between the organization and external parties.
A.13.2.3	Electronic messaging	<i>Control</i> Information involved in electronic messaging shall be appropriately protected.

A.12.6.1	技术脆弱性的控制	<i>控制措施</i> 应及时得到现用信息系统技术脆弱性的信息,评价组织对这些脆弱性的暴露程度,并采取适当的措施来处理相关的风险。
A.12.6.2	限制软件安装	<i>控制措施</i> 应建立和实施软件安装的用户管理规则。
A.12.7 信息系统审计考虑 <i>目标:</i> 将运行系统审计活动的影响最小化。		
A.12.7.1	信息系统审计控制措施	<i>控制措施</i> 涉及对运行系统验证的审计要求和活动,应谨慎地加以规划并取得批准,以便使造成业务过程中断最小化。
A.13 通信安全		
A.13.1 网络安全管理 <i>目标:</i> 确保网络中信息的安全性并保护支持性信息处理设施。		
A.13.1.1	网络控制	<i>控制措施</i> 应管理和控制网络,以保护系统中信息和应用程序的安全。
A.13.1.2	网络服务安全	<i>控制措施</i> 安全机制、服务级别以及所有网络服务的管理要求应予以确定并包括在所有网络服务协议中,无论这些服务是由内部提供的还是外包的。
A.13.1.3	网络隔离	<i>控制措施</i> 应在网络中隔离信息服务、用户及信息系统。
A.13.2 信息传递 <i>目标:</i> 保持组织内以及与组织外信息传递的安全。		
A.13.2.1	信息传递策略和规程	<i>控制措施</i> 应有正式的传递策略、规程和控制措施,以保护通过使用各种类型通信设施的信息传递。
A.13.2.2	信息传递协议	<i>控制措施</i> 协议应解决组织与外部方之间业务信息的安全传递。
A.13.2.3	电子消息发送	<i>控制措施</i> 包含在电子消息发送中的信息应给予适当的保护。

Table A.1 (continued)

A.13.2.4	Confidentiality or non-disclosure agreements	<i>Control</i> Requirements for confidentiality or non-disclosure agreements reflecting the organization's needs for the protection of information shall be identified, regularly reviewed and documented.
A.14 System acquisition, development and maintenance		
A.14.1 Security requirements of information systems		
Objective: To ensure that information security is an integral part of information systems across the entire lifecycle. This also includes the requirements for information systems which provide services over public networks.		
A.14.1.1	Information security requirements analysis and specification	<i>Control</i> The information security related requirements shall be included in the requirements for new information systems or enhancements to existing information systems.
A.14.1.2	Securing application services on public networks	<i>Control</i> Information involved in application services passing over public networks shall be protected from fraudulent activity, contract dispute and unauthorized disclosure and modification.
A.14.1.3	Protecting application services transactions	<i>Control</i> Information involved in application service transactions shall be protected to prevent incomplete transmission, mis-routing, unauthorized message alteration, unauthorized disclosure, unauthorized message duplication or replay.
A.14.2 Security in development and support processes		
Objective: To ensure that information security is designed and implemented within the development lifecycle of information systems.		
A.14.2.1	Secure development policy	<i>Control</i> Rules for the development of software and systems shall be established and applied to developments within the organization.
A.14.2.2	System change control procedures	<i>Control</i> Changes to systems within the development lifecycle shall be controlled by the use of formal change control procedures.
A.14.2.3	Technical review of applications after operating platform changes	<i>Control</i> When operating platforms are changed, business critical applications shall be reviewed and tested to ensure there is no adverse impact on organizational operations or security.
A.14.2.4	Restrictions on changes to software packages	<i>Control</i> Modifications to software packages shall be discouraged, limited to necessary changes and all changes shall be strictly controlled.
A.14.2.5	Secure system engineering principles	<i>Control</i> Principles for engineering secure systems shall be established, documented, maintained and applied to any information system implementation efforts.

A.13.2.4	保密性或不泄露协议	<i>控制措施</i> 应识别、定期评审并记录反映组织信息保护需要的保密性或不泄露协议的要求。
A.14 系统获取、开发和维护		
A.14.1 信息系统的安全需求 <i>目标</i> : 确保信息安全是信息系统整个生命周期中的一个有机组成部分。这也包括提供公共网络服务的信息系统的要求。		
A.14.1.1	信息安全要求分析和说明	<i>控制措施</i> 信息安全相关要求应包括新的信息系统要求或增强已有信息系统的要求。
A.14.1.2	公共网络应用服务安全	<i>控制措施</i> 应保护公共网络中的应用服务信息,以防止欺骗行为、合同纠纷、未授权泄露和修改。
A.14.1.3	保护应用服务交易	<i>控制措施</i> 应保护涉及应用服务交易的信息,以防止不完整传送、错误路由、未授权消息变更、未授权泄露、未授权消息复制或重放。
A.14.2 开发和支持过程中的安全 <i>目标</i> : 应确保进行信息安全设计,并确保其在信息系统开发生命周期中实施。		
A.14.2.1	安全开发策略	<i>控制措施</i> 应建立软件和系统开发规则,并应用于组织内的开发。
A.14.2.2	系统变更控制规程	<i>控制措施</i> 应通过使用正式变更控制程序控制开发生命周期中的系统变更。
A.14.2.3	运行平台变更后应用的技术评审	<i>控制措施</i> 当运行平台发生变更时,应对业务的关键应用进行评审和测试,以确保对组织的运行和安全没有负面影响。
A.14.2.4	软件包变更的限制	<i>控制措施</i> 应对软件包的修改进行劝阻,只限于必要的变更,且对所有的变更加以严格控制。
A.14.2.5	安全系统工程原则	<i>控制措施</i> 应建立、记录和维护安全系统工程原则,并应用到任何信息系统实施工作。

Table A.1 (continued)

A.14.2.6	Secure development environment	<i>Control</i> Organizations shall establish and appropriately protect secure development environments for system development and integration efforts that cover the entire system development lifecycle.
A.14.2.7	Outsourced development	<i>Control</i> The organization shall supervise and monitor the activity of outsourced system development.
A.14.2.8	System security testing	<i>Control</i> Testing of security functionality shall be carried out during development.
A.14.2.9	System acceptance testing	<i>Control</i> Acceptance testing programs and related criteria shall be established for new information systems, upgrades and new versions.
A.14.3 Test data		
Objective: To ensure the protection of data used for testing.		
A.14.3.1	Protection of test data	<i>Control</i> Test data shall be selected carefully, protected and controlled.
A.15 Supplier relationships		
A.15.1 Information security in supplier relationships		
Objective: To ensure protection of the organization's assets that is accessible by suppliers.		
A.15.1.1	Information security policy for supplier relationships	<i>Control</i> Information security requirements for mitigating the risks associated with supplier's access to the organization's assets shall be agreed with the supplier and documented.
A.15.1.2	Addressing security within supplier agreements	<i>Control</i> All relevant information security requirements shall be established and agreed with each supplier that may access, process, store, communicate, or provide IT infrastructure components for, the organization's information.
A.15.1.3	Information and communication technology supply chain	<i>Control</i> Agreements with suppliers shall include requirements to address the information security risks associated with information and communications technology services and product supply chain.
A.15.2 Supplier service delivery management		
Objective: To maintain an agreed level of information security and service delivery in line with supplier agreements.		
A.15.2.1	Monitoring and review of supplier services	<i>Control</i> Organizations shall regularly monitor, review and audit supplier service delivery.
A.15.2.2	Managing changes to supplier services	<i>Control</i> Changes to the provision of services by suppliers, including maintaining and improving existing information security policies, procedures and controls, shall be managed, taking account of the criticality of business information, systems and processes involved and re-assessment of risks.

A.14.2.6	安全开发环境	<i>控制措施</i> 组织应建立并适当保护系统开发和集成工作的安全开发环境，覆盖整个系统开发生命周期。
A.14.2.7	外包开发	<i>控制措施</i> 组织应管理和监视外包系统开发活动。
A.14.2.8	系统安全测试	<i>控制措施</i> 在开发过程中，应进行安全功能测试。
A.14.2.9	系统验收测试	<i>控制措施</i> 对于新建信息系统和新版本升级系统，应建立验收测试方案和相关准则。
A.14.3 测试数据		
<i>目标</i> ：确保保护测试数据。		
A.14.3.1	系统测试数据的保护	<i>控制措施</i> 测试数据应认真地加以选择、保护和控制。
A.15 供应商关系		
A.15.1 供应商关系的信息安全		
<i>目标</i> ：确保保护可被供应商访问的组织资产。		
A.15.1.1	供应商关系的信息安全策略	<i>控制措施</i> 为减缓供应商访问组织资产带来的风险，应与供应商协商并记录相关信息安全要求。
A.15.1.2	处理供应商协议的安全问题	<i>控制措施</i> 应与每个可能访问、处理、存储组织信息、与组织进行通信或为组织提供 IT 基础设施组件的供应商建立并协商所有相关的信息安全要求。
A.15.1.3	信息和通信技术供应链	<i>控制措施</i> 供应商协议应包括信息和通信技术服务以及产品供应链相关信息安全风险处理的要求。
A.15.2 供应商服务交付管理		
<i>目标</i> ：保持符合供应商交付协议的信息安全和服务交付的商定水准。		
A.15.2.1	供应商服务的监视和评审	<i>控制措施</i> 组织应定期监视、评审和审计供应商服务交付。
A.15.2.2	供应商服务的变更管理	<i>控制措施</i> 应管理供应商服务提供的变更，包括保持和改进现有的信息安全策略、规程和控制措施，并考虑到业务信息、系统和涉及过程的关键程度及风险的再评估。

Table A.1 (continued)

A.16 Information security incident management		
A.16.1 Management of information security incidents and improvements		
Objective: To ensure a consistent and effective approach to the management of information security incidents, including communication on security events and weaknesses.		
A.16.1.1	Responsibilities and procedures	<i>Control</i> Management responsibilities and procedures shall be established to ensure a quick, effective and orderly response to information security incidents.
A.16.1.2	Reporting information security events	<i>Control</i> Information security events shall be reported through appropriate management channels as quickly as possible.
A.16.1.3	Reporting information security weaknesses	<i>Control</i> Employees and contractors using the organization's information systems and services shall be required to note and report any observed or suspected information security weaknesses in systems or services.
A.16.1.4	Assessment of and decision on information security events	<i>Control</i> Information security events shall be assessed and it shall be decided if they are to be classified as information security incidents.
A.16.1.5	Response to information security incidents	<i>Control</i> Information security incidents shall be responded to in accordance with the documented procedures.
A.16.1.6	Learning from information security incidents	<i>Control</i> Knowledge gained from analysing and resolving information security incidents shall be used to reduce the likelihood or impact of future incidents.
A.16.1.7	Collection of evidence	<i>Control</i> The organization shall define and apply procedures for the identification, collection, acquisition and preservation of information, which can serve as evidence.
A.17 Information security aspects of business continuity management		
A.17.1 Information security continuity		
Objective: Information security continuity shall be embedded in the organization's business continuity management systems.		
A.17.1.1	Planning information security continuity	<i>Control</i> The organization shall determine its requirements for information security and the continuity of information security management in adverse situations, e.g. during a crisis or disaster.
A.17.1.2	Implementing information security continuity	<i>Control</i> The organization shall establish, document, implement and maintain processes, procedures and controls to ensure the required level of continuity for information security during an adverse situation.

A.16 信息安全事件管理		
A.16.1 信息安全事件和改进的管理		
目标：确保采用一致和有效的方法对信息安全事件进行管理，包括安全事件和弱点的传达。		
A.16.1.1	职责和规程	<i>控制措施</i> 应建立管理职责和规程，以确保快速、有效和有序地响应信息安全事件。
A.16.1.2	报告信息安全事态	<i>控制措施</i> 信息安全事态应尽可能快地通过适当的管理渠道进行报告。
A.16.1.3	报告信息安全弱点	<i>控制措施</i> 应要求使用组织信息系统和服务的所有雇员和承包方人员记录并报告他们观察到的或怀疑的任何系统或服务的安全弱点。
A.16.1.4	评估和确定信息安全事态	<i>控制措施</i> 信息安全事态应被评估，并且确定是否划分成信息安全事件。
A.16.1.5	信息安全事件响应	<i>控制措施</i> 应具有与信息安全事件响应相一致的文件化规程。
A.16.1.6	对信息安全事件的总结	<i>控制措施</i> 获取信息安全事件分析和解决的知识应被用户降低将来事件发生的可能性或影响。
A.16.1.7	证据的收集	<i>控制措施</i> 组织应定义和应用识别、收集、获取和保存信息的程序，这些信息可以作为证据。
A.17 业务连续性管理的信息安全方面		
A.17.1 信息安全连续性		
目标：组织的业务连续性管理体系中应体现信息安全连续性。		
A.17.1.1	信息安全连续性计划	<i>控制措施</i> 组织应确定不利情况下（例如，一个危机或危难时）信息安全的要求和信息安全管理连续性。
A.17.1.2	实施信息安全连续性计划	<i>控制措施</i> 组织应建立、文件化、实施和维护过程、规程和控制措施，确保在负面情况下要求的信息安全连续性级别。

Table A.1 (continued)

A.17.1.3	Verify, review and evaluate information security continuity	<i>Control</i> The organization shall verify the established and implemented information security continuity controls at regular intervals in order to ensure that they are valid and effective during adverse situations.
A.17.2 Redundancies		
Objective: To ensure availability of information processing facilities.		
A.17.2.1	Availability of information processing facilities	<i>Control</i> Information processing facilities shall be implemented with redundancy sufficient to meet availability requirements.
A.18 Compliance		
A.18.1 Compliance with legal and contractual requirements		
Objective: To avoid breaches of legal, statutory, regulatory or contractual obligations related to information security and of any security requirements.		
A.18.1.1	Identification of applicable legislation and contractual requirements	<i>Control</i> All relevant legislative statutory, regulatory, contractual requirements and the organization's approach to meet these requirements shall be explicitly identified, documented and kept up to date for each information system and the organization.
A.18.1.2	Intellectual property rights	<i>Control</i> Appropriate procedures shall be implemented to ensure compliance with legislative, regulatory and contractual requirements related to intellectual property rights and use of proprietary software products.
A.18.1.3	Protection of records	<i>Control</i> Records shall be protected from loss, destruction, falsification, unauthorized access and unauthorized release, in accordance with legislative, regulatory, contractual and business requirements.
A.18.1.4	Privacy and protection of personally identifiable information	<i>Control</i> Privacy and protection of personally identifiable information shall be ensured as required in relevant legislation and regulation where applicable.
A.18.1.5	Regulation of cryptographic controls	<i>Control</i> Cryptographic controls shall be used in compliance with all relevant agreements, legislation and regulations.
A.18.2 Information security reviews		
Objective: To ensure that information security is implemented and operated in accordance with the organizational policies and procedures.		
A.18.2.1	Independent review of information security	<i>Control</i> The organization's approach to managing information security and its implementation (i.e. control objectives, controls, policies, processes and procedures for information security) shall be reviewed independently at planned intervals or when significant changes occur.

A.17.1.3	验证、评审和评价信息安全连续性计划	<i>控制措施</i> 组织应定期验证已制定和实施信息安全业务连续性计划的控制措施，以确保在负面情况下控制措施的及时性和有效性。
A.17.2 冗余		
<i>目标</i> : 确保信息处理设施的有效性。		
A.17.2.1	信息处理设施的可用性	<i>控制措施</i> 信息处理设备应冗余部署，以满足高可用性需求。
A.18 符合性		
A.18.1 符合法律和合同要求		
<i>目标</i> : 避免违反任何法律、法令、法规或合同义务以及任何安全要求。		
A.18.1.1	可用法律及合同要求的识别	<i>控制措施</i> 对每一个信息系统和组织而言，所有相关的法律依据、法规和合同要求，以及为满足这些要求组织所采用的方法，应加以明确地定义、形成文件并保持更新。
A.18.1.2	知识产权 (IPR)	<i>控制措施</i> 应实施适当的规程，以确保相关的知识产权和所有权的软件产品的使用，符合法律、法规和合同的要求。
A.18.1.3	保护记录	<i>控制措施</i> 应防止记录的遗失、毁坏、伪造、非授权访问和非授权删除，以满足法令、法规、合同和业务的要求。
A.18.1.4	隐私和个人身份信息保护	<i>控制措施</i> 隐私和个人身份信息保护应确保符合相关法律、法规的要求。
A.18.1.5	密码控制措施的规则	<i>控制措施</i> 使用密码控制措施应遵从相关的协议、法律和法规。
A.18.2 信息安全评审		
<i>目标</i> : 确保信息安全实施及运行符合组织策略和程序。		
A.18.2.1	独立的信息安全评审	<i>控制措施</i> 应定期或发生较大变更时对组织的信息安全处置和实施方法（即控制目标、控制、策略、过程和信息安全程序）进行评审。

Table A.1 (continued)

A.18.2.2	Compliance with security policies and standards	<i>Control</i> Managers shall regularly review the compliance of information processing and procedures within their area of responsibility with the appropriate security policies, standards and any other security requirements.
A.18.2.3	Technical compliance review	<i>Control</i> Information systems shall be regularly reviewed for compliance with the organization's information security policies and standards.

A.18.2.2	符合安全策略和标准	<i>控制措施</i> 管理者应定期对所辖职责范围内的信息安全过程和规程评审，以确保符合相应的安全政策、标准及其他安全要求。
A.18.2.3	技术符合性评审	<i>控制措施</i> 信息系统应被定期评审是否符合组织的信息安全政策和标准。

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