

STN	Informačné technológie Bezpečnostné metódy Riadenie informačnej bezpečnosti Monitorovanie, meranie, analýza a vyhodnocovanie	STN ISO/IEC 27004 97 4100
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Information technology
Security techniques
Information security management
Monitoring, measurement, analysis and evaluation

Technologies de l'information
Techniques de sécurité
Management de la sécurité de l'information
Surveillance, mesurage, analyse et évaluation

Informationstechnologie
Sicherheitstechniken
Informationssicherheitsmanagement
Überwachung, Messung, Analyse und Bewertung

Táto norma obsahuje anglickú verziu ISO/IEC 27004: 2016.

This standard includes the English version of ISO/IEC 27004: 2016.

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2021
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii.

Anotácia

Tento dokument je určený na pomoc organizáciám pri hodnotení výkonnosti informačnej bezpečnosti a efektívnosti systému riadenia bezpečnosti informácií s cieľom splniť požiadavky normy ISO/IEC 27001: 2013, 9.1: monitorovanie, meranie, analýza a hodnotenie.

Výsledky monitorovania a merania systému riadenia informačnej bezpečnosti (ISMS) môžu byť oporou pre rozhodnutia týkajúce sa riadenia, manažmentu, prevádzkovej efektívnosti a neustáleho zlepšovania ISMS. Rovnako ako v prípade iných dokumentov ISO/IEC 27000, aj tento dokument by sa mal brať do úvahy, interpretovať a prispôbiť tak, aby vyhovoval konkrétnej situácii každej organizácie. Koncepty a prístupy majú byť všeobecne použiteľné, ale konkrétne opatrenia, ktoré konkrétna organizácia vyžaduje, závisia od kontextových faktorov (ako sú veľkosť, sektor, vyspelosť, riziká informačnej bezpečnosti, povinnosti dodržiavania predpisov a štýl riadenia), ktoré sa v praxi veľmi líšia. Tento dokument sa odporúča pre organizácie implementujúce ISMS, ktorý spĺňa požiadavky normy ISO/IEC 27001. Nestanovuje však žiadne nové požiadavky pre ISMS, ktoré zodpovedajú norme ISO/IEC 27001.

Národný predhovor

Normatívne referenčné dokumenty

V tomto dokumente sa nenachádzajú žiadne normatívne referenčné dokumenty.

Vypracovanie normy

Spracovateľ: Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, Bratislava

Technická komisia: TK 37 Informačné technológie

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ISO/IEC 27004:2016(E)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *IT Security techniques*.

This second edition of ISO/IEC 27004 cancels and replaces the first edition (ISO/IEC 27004:2009), which has been technically revised.

This edition includes the following significant changes with respect to the previous edition:

A total restructuring of the document because it has a new purpose – to provide guidance on ISO/IEC 27001:2013, 9.1 – which, at the time of the previous edition, did not exist.

The concepts and processes have been modified and expanded. However, the theoretical foundation (ISO/IEC 15939) remains the same and several of the examples given in the previous edition are preserved, albeit updated.

Introduction

This document is intended to assist organizations to evaluate the information security performance and the effectiveness of an information security management system in order to fulfil the requirements of ISO/IEC 27001:2013, 9.1: monitoring, measurement, analysis and evaluation.

The results of monitoring and measurement of an information security management system (ISMS) can be supportive of decisions relating to ISMS governance, management, operational effectiveness and continual improvement.

As with other ISO/IEC 27000 documents, this document should be considered, interpreted and adapted to suit each organization's specific situation. The concepts and approaches are intended to be broadly applicable but the particular measures that any particular organization requires depend on contextual factors (such as its size, sector, maturity, information security risks, compliance obligations and management style) that vary widely in practice.

This document is recommended for organizations implementing an ISMS that meets the requirements of ISO/IEC 27001. However, it does not establish any new requirements for ISMS which conform to ISO/IEC 27001 or impose any obligations upon organizations to observe the guidelines presented.

Information technology — Security techniques — Information security management — Monitoring, measurement, analysis and evaluation

1 Scope

This document provides guidelines intended to assist organizations in evaluating the information security performance and the effectiveness of an information security management system in order to fulfil the requirements of ISO/IEC 27001:2013, 9.1. It establishes:

- a) the monitoring and measurement of information security performance;
- b) the monitoring and measurement of the effectiveness of an information security management system (ISMS) including its processes and controls;
- c) the analysis and evaluation of the results of monitoring and measurement.

This document is applicable to all types and sizes of organizations.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

There are no normative references in this document.

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