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Information security, cybersecurity and privacy protection — Governance of information security

Sécurité de l'information, cybersécurité et protection de la vie privée — Gouvernance de la sécurité de l'information

Reference number
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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 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs)

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This document was prepared by ITU-T as ITU-T X.1054 (04/2021) and drafted in accordance with its editorial rules, in collaboration with Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *Information security, cybersecurity and privacy protection.*

This second edition cancels and replaces the first edition (ISO/IEC 27014:2013), which has been technically revised. The main changes compared to the previous edition are as follows:

— the document has been aligned with ISO/IEC 27001:2013;

— the requirements in ISO/IEC 27001 which are governance activities have been explained;

— the objectives and processes of information security governance have been described.

This corrected version of ISO/IEC 27014:2020 incorporates the following corrections:

— the document has been editorially revised in accordance with the rules-for-presentation-ITU-T-ISO-IEC common text.

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INTERNATIONAL STANDARD ISO/IEC 27014
RECOMMENDATION ITU-T X.1054

Information security, cybersecurity and privacy protection – Governance of information security

Summary

Recommendation ITU-T X.1054 | International Standard ISO/IEC 27014 provides guidance on the governance of information security.

Information security is a key issue for organizations, amplified by rapid advances in attack methodologies and technologies, and corresponding increased regulatory pressures.

The failure of an organization's information security controls can have many adverse impacts on an organization and its interested parties including but not limited to the undermining of trust.

Governance of information security is the use of resources to ensure effective implementation of information security, and provides assurance that:

- directives concerning information security will be followed; and
- the governing body will receive reliable and relevant reporting about information security related activities.

This assists the governing body to make decisions concerning the strategic objectives for the organization by providing information about information security that may affect these objectives. It also ensures that information security strategy aligns with the overall objectives of the entity.

Managers and others working in organizations need to understand:

- the governance requirements that affect their work; and
- how to meet governance requirements that require them to take action.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T X.1054	2012-09-07	17	11.1002/1000/11594
2.0	ITU-T X.1054	2021-04-30	17	11.1002/1000/14248

Keywords

Information security, information security governance, information security management, ISMS.

* To access the Recommendation, type the URL http://handle.itu.int/ in the address field of your web browser, followed by the Recommendation's unique ID. For example, http://handle.itu.int/11.1002/1000/11830-en.

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FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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Introduction

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating, and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a world-wide basis. The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups that, in turn, produce Recommendations on these topics. The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1. In some areas of information technology that fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

ISO (the International Organization for Standardization) and IEC (the International Electro technical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of Recommendation | 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 security, cybersecurity and privacy protection, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

This Recommendation | International Standard has been 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 this Recommendation | International Standard. Draft Recommendation | 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.

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INTERNATIONAL STANDARD
ITU-T RECOMMENDATION

Information Security, Cybersecurity and Privacy Protection – Governance of Information Security

1 Scope

This Recommendation | International Standard provides guidance on concepts, objectives and processes for the governance of information security, by which organizations can evaluate, direct, monitor and communicate the information security-related processes within the organization.

The intended audience for this document is:

- governing body and top management;
- those who are responsible for evaluating, directing and monitoring an information security management system (ISMS) based on ISO/IEC 27001;
- those responsible for information security management that takes place outside the scope of an ISMS based on ISO/IEC 27001, but within the scope of governance.

This Recommendation | International Standard is applicable to all types and sizes of organizations.

All references to an ISMS in this document apply to an ISMS based on ISO/IEC 27001.

This Recommendation | International Standard focuses on the three types of ISMS organizations given in Annex B. However, it can also be used by other types of organizations.

2 Normative references

The following Recommendations and International Standards contain provisions which, through reference in this text, constitute provisions of this Recommendation | International Standard. At the time of publication, the editions indicated were valid. All Recommendations and Standards are subject to revision, and parties to agreements based on this Recommendation | International Standard are encouraged to investigate the possibility of applying the most recent edition of the Recommendations and Standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards. The Telecommunication Standardization Bureau of the ITU maintains a list of currently valid ITU-T Recommendations.

– ISO/IEC 27000:in force, *Information technology – Security techniques – Information security management systems – Overview and vocabulary*.

– ISO/IEC 27001:in force, *Information technology – Security techniques – Information security management systems – Requirements*.

3 Definitions

For the purposes of this Recommendation | International Standard, the terms and definitions given in ISO/IEC 27000, and the following apply.

ISO, IEC and ITU maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp
- ITU Terms and Definitions: available at http://www.itu.int/go/terminology-database

3.1 **entity**: Organization (3.2) and other bodies or parties.

NOTE – An entity can be a group of companies, or a single company, or a non for profit company, or other. The entity has governance authority over the organization. The entity can be identical to the organization, for example in smaller companies.

3.2 **organization**: That part of an entity (3.1) which runs and manages an ISMS.

3.3 **governing body**: Person or group of people who are accountable for the performance and conformance of the entity.

NOTE – SOURCE: ISO/IEC 27000:2018, 3.24, modified – "organization" has been replaced by "entity".

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