

<b>STN</b>	<b>Informačné technológie Bezpečnostné metódy Súbor postupov pre opatrenia informačnej bezpečnosti založený na ISO/IEC 27002 pre telekomunikačné organizácie (ISO/IEC 27011: 2016)</b>	<b>STN EN ISO/IEC 27011</b>  36 9761
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Information technology - Security techniques - Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations (ISO/IEC 27011:2016)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/20

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**Information technology - Security techniques - Code of  
practice for Information security controls based on  
ISO/IEC 27002 for telecommunications organizations  
(ISO/IEC 27011:2016)**

Technologies de l'information - Techniques de sécurité  
- Code de bonne pratique pour les contrôles de la  
sécurité de l'information fondés sur l'ISO/IEC 27002  
pour les organismes de télécommunications (ISO/IEC  
27011:2016)

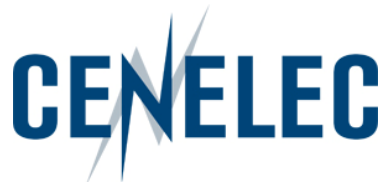
Informationstechnik - Sicherheitsverfahren - Leitfaden  
für Informationssicherheitsmaßnahmen auf Grundlage  
von ISO/IEC 27002 für  
Telekommunikationsorganisatione (ISO/IEC  
27011:2016)

This European Standard was approved by CEN on 3 May 2020.

CEN and CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN and CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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**EN ISO/IEC 27011:2020 (E)**

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## **European foreword**

The text of ISO/IEC 27011:2016 has been prepared by Technical Committee ISO/IEC JTC 1 "Information technology" of the International Organization for Standardization (ISO) and has been taken over as EN ISO/IEC 27011:2020 by Technical Committee CEN/CLC/JTC 13 "Cybersecurity and Data Protection" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2020, and conflicting national standards shall be withdrawn at the latest by November 2020.

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Endorsement notice**

The text of ISO/IEC 27011:2016 has been approved by CEN as EN ISO/IEC 27011:2020 without any modification.

**INTERNATIONAL  
STANDARD**

**ISO/IEC  
27011**

Second edition  
2016-12-01

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**Information technology — Security  
techniques — Code of practice for  
Information security controls based on  
ISO/IEC 27002 for telecommunications  
organizations**

*Technologies de l'information — Techniques de sécurité — Code de  
bonne pratique pour les contrôles de la sécurité de l'information fondés  
sur l'ISO/IEC 27002 pour les organismes de télécommunications*

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Reference number  
ISO/IEC 27011:2016(E)





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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.

This second edition cancels and replaces first edition of ISO/IEC 27011:2008 which has been technically revised.

ISO/IEC 27011 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *IT Security techniques*, in collaboration with ITU-T. The identical text is published as Rec. ITU-T X.1051.

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## Introduction

This Recommendation | International Standard provides interpretation guidelines for the implementation and management of information security controls in telecommunications organizations based on ISO/IEC 27002.

Telecommunications organizations provide telecommunications services by facilitating the communications of customers through their infrastructure. In order to provide telecommunications services, telecommunications organizations need to interconnect and/or share their services and facilities and/or use the services and facilities of other telecommunications organizations. Furthermore, the site location, such as radio sites, antenna locations, ground cables and utility provision (power, water), may be accessed not only by the organization's staff, but also by contractors and providers external to the organization.

Therefore, the management of information security in telecommunications organizations is complex, potentially:

- depending on external parties;
- having to cover all areas of network infrastructure, services applications and other facilities;
- including a range of telecommunications technologies (e.g., wired, wireless or broadband);
- supporting a wide range of operational scales, service areas and service types.

In addition to the application of security objectives and controls described in ISO/IEC 27002, telecommunications organizations may need to implement extra controls to ensure confidentiality, integrity, availability and any other security property of telecommunications in order to manage security risk in an adequate fashion.

### 1) *Confidentiality*

Protecting confidentiality of information related to telecommunications from unauthorized disclosure. This implies non-disclosure of communications in terms of the existence, the content, the source, the destination and the date and time of communicated information.

It is critical that telecommunications organizations ensure that the non-disclosure of communications being handled by them is not breached. This includes ensuring that persons engaged by the telecommunications organization maintain the confidentiality of any information regarding others that may have come to be known during their work duties.

NOTE – The term "secrecy of communications" is used in some countries in the context of "non-disclosure of communications".

### 2) *Integrity*

Protecting the integrity of telecommunications information includes controlling the installation and use of telecommunications facilities to ensure the authenticity, accuracy and completeness of information transmitted, relayed or received by wire, radio or any other method.

### 3) *Availability*

Availability of telecommunications information includes ensuring that access to facilities and the medium used for the provision of communication services is authorized, regardless of whether communications is provided by wire, radio or any other method. Typically, telecommunications organizations give priority to essential communications in case of emergencies, managing unavailability of less important communications in compliance with regulatory requirements.

## Audience

The audience of this Recommendation | International Standard consists of telecommunications organizations and those responsible for information security; together with security vendors, auditors, telecommunications terminal vendors and application content providers. This Recommendation | International Standard provides a common set of general security control objectives based on ISO/IEC 27002, telecommunications sector-specific controls and information security management guidelines allowing for the selection and implementation of such controls.

**INTERNATIONAL STANDARD  
ITU-T RECOMMENDATION****Information technology – Security techniques – Code of practice for information security controls based on ISO/IEC 27002 for telecommunications organizations****1 Scope**

The scope of this Recommendation | International Standard is to define guidelines supporting the implementation of information security controls in telecommunications organizations.

The adoption of this Recommendation | International Standard will allow telecommunications organizations to meet baseline information security management requirements of confidentiality, integrity, availability and any other relevant security property.

**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, *Information technology – Security techniques – Information security management systems – Overview and vocabulary.*
- ISO/IEC 27002:2013, *Information technology – Security techniques – Code of practice for information security controls.*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**