SLOVENSKI STANDARD
SIST EN ISO/IEC 27042:2017

01-januar-2017

Informacijska tehnologija - Varnostne tehnike - Smernice za analizo in tolmačenje digitalnih dokazov (ISO/IEC 27042:2015)

Information technology - Security techniques - Guidelines for the analysis and interpretation of digital evidence (ISO/IEC 27042:2015)

Informationstechnik - IT-Sicherheitsverfahren - Leitfaden für die Analyse und Interpretation digitaler Beweismittel (ISO/IEC 27042:2015)

Technologies de l'information - Techniques de sécurité - Lignes directrices pour l'analyse et l'interprétation de preuves numériques (ISO/IEC 27042:2015)

Ta slovenski standard je istoveten z: **EN ISO/IEC 27042:2016**

ICS:

35.030	Informacijska varnost	IT Security

SIST EN ISO/IEC 27042:2017 **en,fr,de**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO/IEC 27042

August 2016

ICS 35.040

English Version

Information technology - Security techniques - Guidelines for the analysis and interpretation of digital evidence (ISO/IEC 27042:2015)

Technologies de l'information - Techniques de sécurité - Lignes directrices pour l'analyse et l'interprétation de preuves numériques (ISO/IEC 27042:2015)

Informationstechnik - IT-Sicherheitsverfahren - Leitfaden für die Analyse und Interpretation digitaler Beweismittel (ISO/IEC 27042:2015)

This European Standard was approved by CEN on 19 June 2016.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO/IEC 27042:2016 (E)

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European foreword

The text of ISO/IEC 27042:2015 has been prepared by Technical Committee ISO/IEC JTC 1 "Information technology" of the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) and has been taken over as EN ISO/IEC 27042:2016.

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of an identical text or by endorsement, at the latest by February 2017, and conflicting national standards shall be withdrawn at the latest by February 2017.

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INTERNATIONAL STANDARD

ISO/IEC 27042

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Information technology — Security techniques — Guidelines for the analysis and interpretation of digital evidence

Technologies de l'information — Techniques de sécurité — Lignes directrices pour l'analyse et l'interprétation de preuves numériques

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ISO/IEC 27042:2015(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).

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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 WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

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

ISO/IEC 27042:2015(E)

Introduction

General

This International Standard provides guidance on the conduct of the analysis and interpretation of potential digital evidence in order to identify and evaluate digital evidence which can be used to aid understanding of an incident. The exact nature of the data and information making up the potential digital evidence will depend on the nature of the incident and the digital evidence sources involved in that incident.

When using this International Standard, the user assumes that the guidance given in ISO/IEC 27035-2 and ISO/IEC 27037:2012 has been followed and that all processes used are compatible with the guidance given in ISO/IEC 27043:2015 and ISO/IEC 27041[1].

Relationship to other standards

This International Standard is intended to complement other standards and documents which give guidance on the investigation of, and preparation to investigate, information security incidents. It is not a comprehensive guide, but lays down certain fundamental principles which are intended to ensure that tools, techniques, and methods can be selected appropriately and shown to be fit for purpose should the need arise.

This International Standard also intends to inform decision-makers that need to determine the reliability of digital evidence presented to them. It is applicable to organizations needing to protect, analyse, and present potential digital evidence. It is relevant to policy-making bodies that create and evaluate procedures relating to digital evidence, often as part of a larger body of evidence.

This International Standard describes part of a comprehensive investigative process which includes, but is not limited to, the following topic areas:

— incident management, including preparation and planning for investigations;

— handling of digital evidence;

— use of, and issues caused by, redaction;

— intrusion prevention and detection systems, including information which can be obtained from these systems;

— security of storage, including sanitization of storage;

— ensuring that investigative methods are fit for purpose;

— carrying out analysis and interpretation of digital evidence;

— understanding principles and processes of digital evidence investigations;

— security incident event management, including derivation of evidence from systems involved in security incident event management;

— relationship between electronic discovery and other investigative methods, as well as the use of electronic discovery techniques in other investigations;

— governance of investigations, including forensic investigations.

These topic areas are addressed, in part, by the following ISO/IEC standards.

— ISO/IEC 27037

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1) To be published.