

TNI	TECHNICKÁ NORMALIZAČNÁ INFORMÁCIA	TNI ISO/IEC TR 3445 97 4173
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**Informačné technológie
Cloud computing
Audit cloudových služieb**

Information technology
Cloud computing
Audit of cloud services

Táto technická normalizačná informácia obsahuje anglickú verziu ISO/IEC TR 3445: 2022 a má postavenie oficiálnej verzie.

This technical standard information includes the English version of ISO/IEC TR 3445: 2022 and has the status of the official version.

138357

Anotácia

Tento dokument skúma aspekty auditu cloudových služieb vrátane:

- 1) úloh a zodpovednosti strán vykonávajúcich audit a opis interakcií medzi zúčastnenými stranami pri poskytovaní cloudových služieb;
- 2) prístupu k vykonávaniu auditov cloudových služieb na uľahčenie dôvery v poskytovanie a používanie cloudových služieb;
- 3) príkladov dostupných rámcov a noriem, ktoré možno použiť pre schémy auditu, certifikáciu a autorizáciu.

Tento dokument stavia na úlohe audítora cloudu, ako je definovaná v normách ISO/IEC 17789 a ISO/IEC 22123.

Tento dokument je použiteľný pre všetky typy a veľkosti organizácií, ktoré potrebujú plánovať a vykonávať interné alebo externé audity a ktoré využívajú, poskytujú a podporujú cloudové služby.

Tento dokument nie je určený na popis certifikácie alebo na identifikáciu opatrení, ktoré sú zverejnené inde.

Národný predhovor

Obrázky v tejto norme sú prevzaté z elektronických podkladov dodaných z ISO, © 2022 ISO, ref. č. ISO/IEC TR 3445: 2022 E.

Normatívne referenčné dokumenty

Nasledujúce dokumenty, celé alebo ich časti, sú v tomto dokumente normatívnymi odkazmi a sú nevyhnutné pri jeho používaní. Pri datovaných odkazoch sa použije len citované vydanie. Pri nedatovaných odkazoch sa použije najnovšie vydanie citovaného dokumentu (vrátane všetkých zmien).

POZNÁMKA 1. – Ak bola medzinárodná publikácia zmenená spoločnými modifikáciami, čo je indikované označením (mod), použije sa príslušná EN/HD.

POZNÁMKA 2. – Aktuálne informácie o platných a zrušených STN a TNI možno získať na webovom sídle www.unms.sk.

ISO/IEC 22123-1 prijatá ako STN ISO/IEC 22123-1 Informačné technológie. Cloud computing. Časť 1: Slovník (97 4176)

Vypracovanie slovenskej technickej normy

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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.

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 or www.iec.ch/members_experts/refdocs).

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

For an explanation of the voluntary nature of standards, 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 www.iso.org/iso/foreword.html. In the IEC, see www.iec.ch/understanding-standards.

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 38, *Cloud computing and distributed platforms*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

Introduction

This document provides an overview of the audit of cloud services. ISO/IEC 22123-1 defines the term cloud auditor while ISO/IEC 17789 describes the cloud computing roles and sub-roles and activities related to the audit of cloud services. ISO/IEC TR 23187 which describes the interactions between cloud service partners (CSNs), cloud service customers (CSCs), and cloud service providers (CSPs) provides some perspectives on the role and responsibilities of a cloud auditor. This is covered in part in [Clause 5](#) as shown in [Figure 1](#).

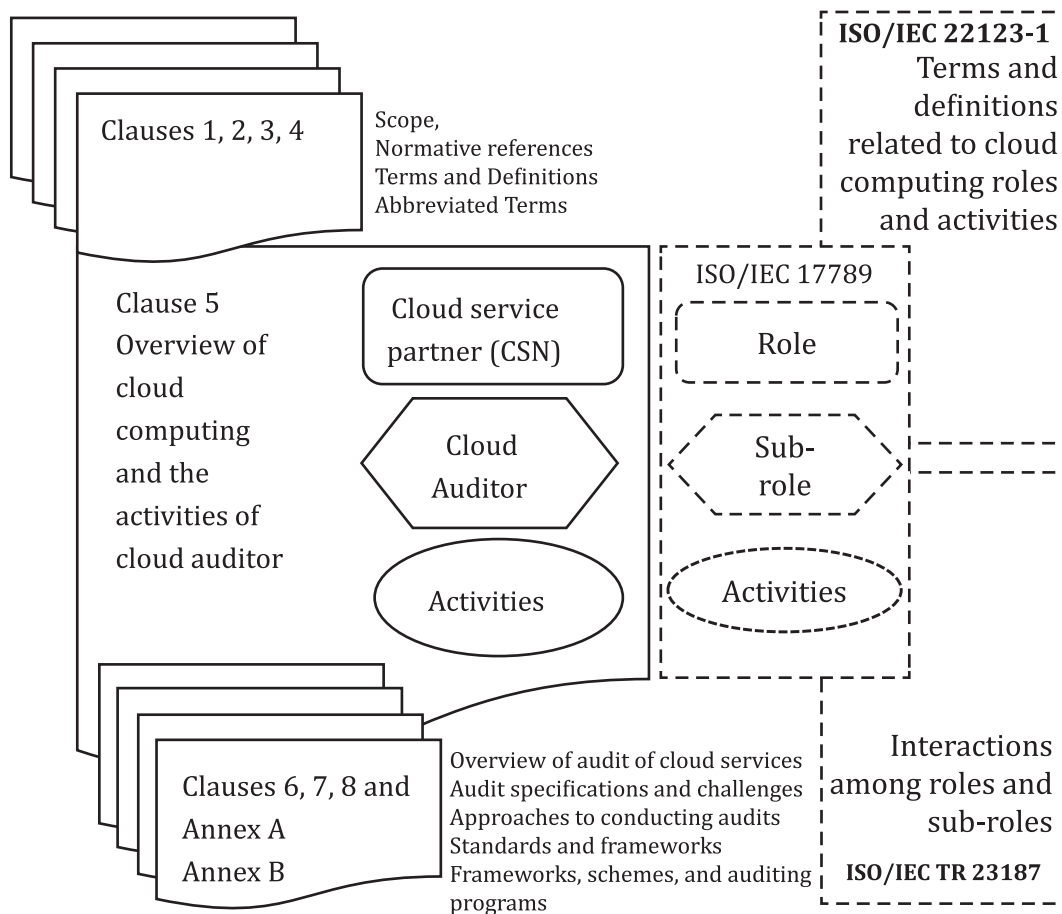


Figure 1 — Structure of the document

The structure of the document is as follows:

[Clause 5](#) includes an overview of cloud computing and its major roles. This clause also covers the role of cloud auditor, its responsibilities, and its relationship with other major cloud computing roles.

[Clause 6](#) provides an overview of cloud service audit including an explanation of the relationship between audit, assessment, compliance, evaluation, assurance and conformity assessment.

[Clause 7](#) builds on the foundation information in [Clause 5](#) to discuss audit specifications and the challenges associated with a cloud audit.

[Clause 8](#) covers approaches to conducting cloud audit.

[Annex A](#) provides information on International Standards relating to audit and frameworks for audit schemes, certification and authorization.

[Annex B](#) is a compilation of available frameworks and standards which can be used for audit schemes, for certification and for authorization.

Information technology — Cloud computing — Audit of cloud services

1 Scope

This document surveys aspects of the audit of cloud services including:

- 1) role and responsibilities of parties conducting audit and description of the interactions between the CSC, CSP, and CSN;
- 2) approaches for conducting audits of cloud services to facilitate confidence in delivering and using cloud services;
- 3) examples of available frameworks and standards which can be used for audit schemes, for certification, and for authorization.

This document builds upon the cloud auditor role as defined in ISO/IEC 17789 and ISO/IEC 22123.

This document is applicable to all types and sizes of organizations that need to plan and conduct internal or external audits, and that use, provide and support cloud services.

This document is not intended to describe certification or to identify controls that are published elsewhere.

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.

ISO/IEC 22123-1:2021, *Information technology — Cloud computing — Part 1: Vocabulary*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN