PLOKIAHELATE JA HAJUSRAAMATUTE TEHNOLOOGIAD. SÕNAVARA

Blockchain and distributed ledger technologies - Vocabulary (ISO 22739:2020)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 22739:2023 sisaldab Euroopa standardi EN ISO 22739:2022 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 22739:2023 consists of the English text of the European standard EN ISO 22739:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 26.10.2022.	Date of Availability of the European standard is 26.10.2022.
Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 01.040.35, 35.030, 35.040.99, 35.240.40

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English version

Blockchain and distributed ledger technologies - Vocabulary (ISO 22739:2020)

Chaîne de blocs et technologies de registres distribués - Vocabulaire (ISO 22739:2020)

Blockchain und Technologien für verteilte elektronische Journale - Vokabular (ISO 22739:2020)

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European foreword

The text of ISO 22739:2020 has been prepared by Technical Committee ISO/TC 307 "Blockchain and distributed ledger technologies" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 22739:2022 by Technical Committee CEN-CENELEC/ JTC 19 "Blockchain and Distributed Ledger Technologies" the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

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Endorsement notice

The text of ISO 22739:2020 has been approved by CEN-CENELEC as EN ISO 22739:2022 without any modification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 ISO documents 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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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.

This document was prepared by Technical Committee ISO/TC 307, *Blockchain and distributed ledger technologies*.

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.

Introduction

This document defines basic terms relating to blockchain and distributed ledger technologies to clarify the meaning of terms and concepts used in other document within the domain of ISO/TC 307 standards.

Clear, consistent and coherent standards require clear, consistent and coherent terminology. This document follows rules and guidelines set by ISO/TC 37, *Language and terminology,* for terminology standards.

This document applies to all types of organizations (e.g., commercial enterprises, government agencies, not-for-profit organizations). The target audience includes but is not limited to academics, solution architects, customers, users, tool developers, regulators, auditors and standards development organizations.

Blockchain and distributed ledger technologies — Vocabulary

1 Scope

This document provides fundamental terminology for blockchain and distributed ledger technologies.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
asset
anything that has value to a stakeholder

[SOURCE: ISO/TS 19299:2015, 3.3, modified — Note 1 to entry has been removed.]

3.2
block
structured data comprising *block data* (3.3) and a *block header* (3.4)

3.3
block data
structured data comprising zero or more *transaction records* (3.79) or references to *transaction records* (3.79)

3.4
block header
structured data that includes a *cryptographic link* (3.16) to the previous *block* (3.2) unless there is no previous *block* (3.2)

Note 1 to entry: A block header can also contain a *timestamp* (3.75), a *nonce* (3.51), and other *DLT platform* (3.29) specific data, including a *hash value* (3.39) of corresponding *transaction records* (3.79).

3.5
block reward
reward given to *miners* (3.48) or *validators* (3.83) after a *block* (3.2) is *confirmed* (3.8) in a *blockchain system* (3.7)

Note 1 to entry: A reward can be in the form of a *token* (3.76) or *cryptocurrency* (3.14).