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Financial services — Legal entity identifier (LEI) —

Part 3: Verifiable LEIs (vLEIs)

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Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Governance of the vLEI ecosystem and infrastructure **2**
5 vLEI credentials **2**
6 Other features of vLEI credentials **3**
Bibliography **4**

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Foreword

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This document was prepared by Technical Committee ISO/TC 68, *Financial services*, Subcommittee SC 8, *Reference data for financial services*.

A list of all parts in the ISO 17442 series can be found on the ISO website.

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.

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Introduction

The industry has considered issues with current digital identity tools and solutions and has devised a new approach to digital identity management. Thanks to advances in distributed ledger/blockchain technology, digital identity management with the additional feature of decentralized identity verification is now possible. Based on a concept known as “self-sovereign identity (SSI)”, this new approach for authentication and verification of digital identity began as a means by which a person, the identity holder, has control of their personal data over how, when and to whom those data are revealed. This approach is set to transform the nature of identity management and how person-to-entity, or entity-to-entity, interactions take place in the digital world. It can address the need for automation in verification while maintaining data privacy and confidentiality.

The legal entity identifier (LEI) plays a key role in this process. So, the Global Legal Entity Identifier Foundation (GLEIF), manager of the Global LEI System in which the ISO 17442 series has been implemented, continues its work so that each business worldwide has only one global identity and this includes a digital identity by expanding the ISO 17442 series. This document is dedicated to leveraging the LEI in digitally signed credentials that are not only tamper-resistant but capable of being verified in a decentralized manner. Chaining of the verifiable legal entity identifier (vLEI) credentials in the vLEI trust chain using authentic chained data container (ACDC) credentials allows for the provenance of vLEIs to be traced back to GLEIF as both the root of trust for the vLEI trust chain as well as to the entity, under regulatory oversight, that ensures the operational integrity of the global LEI system.

This document enables LEIs to be used in both the recent innovation of credentials based on decentralized digital identity as well as X.509 public key certificates as outlined in ISO 17442-2.

As with standard X.509 digital certificates, vLEIs will use ISO 5009. Combining LEIs with official organizational roles is a key enabler for digital identity management for organizations and persons acting on behalf of organizations.

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Financial services — Legal entity identifier (LEI) —

Part 3:
Verifiable LEIs (vLEIs)

1 Scope

This document specifies the use of the legal entity identifier (LEI) code, represented in ISO 17442-1, in authentic chained data container (ACDC) credentials.

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 17442-1:2020, *Financial services — Legal entity identifier (LEI) — Part 1: Assignment*

ISO 5009:2022, *Financial services — Official organizational roles — Scheme for official organizational roles*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

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

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

3.1
official organizational role
official role of a person within an organization or legal entity within a particular jurisdiction that is publicly discoverable in formation, registration or other official documents of the organization or legal entity

Note 1 to entry: The scope of official organizational roles used within the verifiable legal entity identifier credentials includes, but is not limited to, the official organizational roles assigned according to ISO 5009.

3.2
legal entity
legal person or structure that is organized under the laws of any jurisdiction

[SOURCE: ISO 17442-1:2020, 3.1]

3.3
authentic chained data container credentials
ACDC credentials
type of verifiable credential that includes the feature of normative support for chaining of credentials and relies on a suite of other technical specifications including the Key Event Receipt Infrastructure specification and the Composable Event Streaming Representation specification

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