
**Blockchain and distributed ledger
technologies — Taxonomy and
Ontology**

*Technologies des chaînes de blocs et technologies de registre
distribué — Taxinomie et ontologie*

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Published in Switzerland

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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.

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

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Introduction

A taxonomy is useful for defining information and data classification rules and for identifying classification items and classification criteria. An ontology aims at clearly showing the concepts that make up the conceptual basis and the vocabulary of the technology under consideration and at creating a foundation that is a prerequisite for understanding the concepts through the definition of their mutual relations (synonyms, inclusions, dependencies, etc.).

A consistent taxonomy is a valuable resource in its own right that also supports and helps to understand other relevant standards.

This document includes a taxonomy of concepts, a taxonomy of DLT systems, and a taxonomy of application domains, purposes and economic activity sections for use cases. This document includes an ontology providing classes and attributes as well as relations between concepts.

Figure 1 shows the relationships between this document and other standards developed by ISO/TC 307.

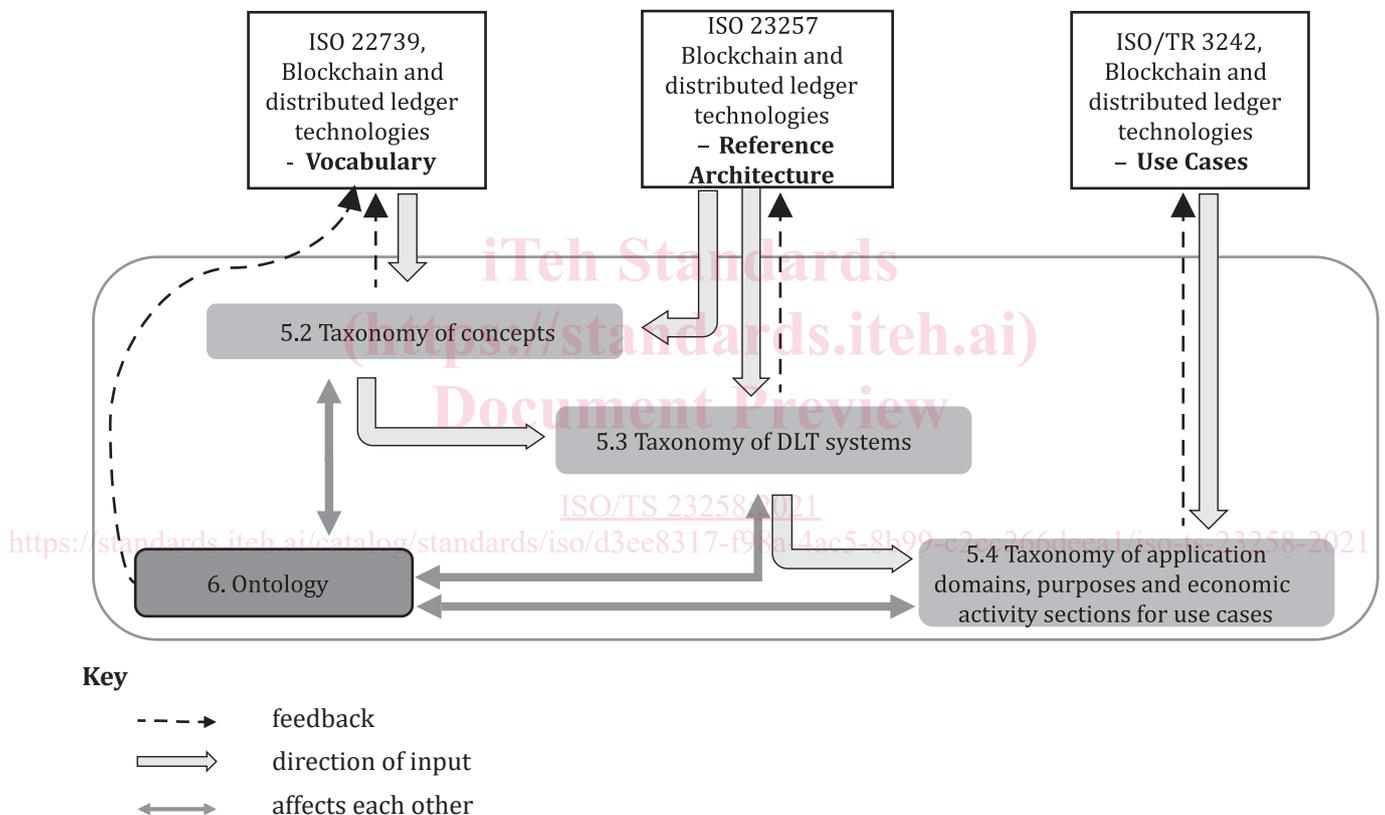


Figure 1 — Relationships between this document and other standards developed by ISO/TC 307