



SLOVENSKI STANDARD

oSIST prEN 18219:2025

01-september-2025

Digitalni potni list za proizvode - Enoznačni identifikatorji

Digital product passport - Unique identifiers

Digitaler Produktpass - Eindeutige Kennungen

Passeport numérique des produits - Identifiants uniques

Ta slovenski standard je istoveten z: prEN 18219

ICS:

13.020.20	Okoljska ekonomija. Trajnostnost	Environmental economics. Sustainability
35.240.63	Uporabniške rešitve IT v trgovini	IT applications in trade

oSIST prEN 18219:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 18219

June 2025

ICS 35.240.63; 13.020.20

English version

Digital product passport - Unique identifiers

Passeport numérique des produits - Identifiants
uniques

Digitaler Produktpass - Eindeutige Kennungen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/CLC/JTC 24.

If this draft becomes a European Standard, CEN and CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN and CENELEC in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN and CENELEC members are the national standards bodies and national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation. Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



CEN-CENELEC Management Centre:
Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword	4
Introduction	5
0.1 General	5
0.2 Orientation	5
1 Scope	7
2 Normative references	7
3 Terms and definitions	8
4 General principles, requirements and guidelines	10
4.1 Global uniqueness	10
4.1.1 Principle	10
4.1.2 Requirements	11
4.2 Persistence	11
4.2.1 Principle	11
4.2.2 Requirements	11
4.3 Syntax	11
4.3.1 Principle	11
4.3.2 Requirements	11
4.3.3 Guidelines	12
4.4 Semantic	12
4.4.1 Principle	12
4.4.2 Requirements	12
4.4.3 Guidelines	12
4.5 Interoperability	12
4.5.1 Principle	12
4.5.2 Requirements	13
4.6 Openness	13
4.6.1 Principle	13
4.6.2 Requirements	13
4.6.3 Guidelines	13
5 ID schemes for products	14
5.1 ID scheme 5.1: Web enabled, structured path and query ID for products	14
5.1.1 Description	14
5.1.2 Requirements	14
5.2 ID scheme 5.2: Identification Link (IL)	14
5.2.1 Description	14
5.2.2 Requirements	15
5.2.3 Guidelines	15
5.2.4 Model, batch and item level identification	15
5.3 ID scheme 5.3: Decentralized identifiers (DID) for products	15
5.3.1 Description	15
5.3.2 Requirements	15
5.4 ID scheme 5.4: Product and group identification	15
5.4.1 Description	15
5.4.2 Requirements	16
5.4.3 Guidelines	16
5.5 ID Scheme 5.5: Digital Object Identifier (DOI) for products	16
5.5.1 Description	16
5.5.2 Requirements	16
6 ID schemes for economic operators and facilities	17
6.1 ID scheme 6.1: Structured path identification for organizations	17
6.1.1 Description	17
6.1.2 Requirements	17

6.1.3	Guidelines	17
6.2	ID scheme 6.2: Legal Entity Identifier (LEI)	17
6.2.1	Description	17
6.2.2	Requirements	17
6.2.3	Guidelines	17
6.3	ID scheme 6.3: Decentralized identifiers (DID) for organizations	18
6.3.1	Description	18
6.3.2	Requirements	18
6.3.3	Guidelines	18
6.4	ID scheme 6.4: Digital Object Identifiers (DOI) for organizations	18
6.4.1	Description	18
6.4.2	Requirements	19
Annex A	(informative) Guidance on selecting item-level identification for products	20
Annex B	(informative) Overview of ID schemes for products	21
B.1	General information	21
B.2	Issuing and ownership	22
B.3	General technical properties	23
B.4	Requirements	24
B.5	Security	27
B.6	Issuing process and prerequisites	28
B.7	Examples	30
B.7.1	ID scheme 5.1: Web enabled, structured path and query string identification for products	30
B.7.2	ID scheme 5.2: Identification Link (IL)	31
B.7.3	ID scheme 5.3: Decentralized identifiers (DIDs) for products	32
B.7.4	ID scheme 5.4: Product and group identification	33
B.7.5	ID Scheme 5.5: Digital Object Identifier for products	34
Annex C	(informative) Overview of ID schemes for economic operators and facilities	35
C.1	General information	35
C.2	Issuing and ownership	35
C.3	General technical properties	35
C.4	Requirements	36
C.5	Security	37
C.6	Issuing process and prerequisites	38
C.7	Examples	39
C.7.1	ID scheme 6.1: Structured path identification for organizations	39
C.7.2	ID scheme 6.2: Legal Entity Identifier (LEI)	39
C.7.3	ID Scheme 6.3: Decentralized identifiers (DIDs) for organizations	39
C.7.4	ID Scheme 6.4: Digital Object Identifiers (DOIs) for organizations	40
Annex ZA	(informative) Relationship between this European Standard and the essential requirements of 2024/1781	41
Bibliography		43

prEN 18219 (E)**European foreword**

This document (prEN 18219:2025) has been prepared by Technical Committee CEN/CLC/JTC 24 "Digital product passport – Framework and system", the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

This document has been prepared as one of eight standards developed under Standardization Request M/604, issued by the European Commission to CEN and CENELEC.

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

[oSIST prEN 18219:2025](https://standards.itih.ai/catalog/standards/sist/f76c4075-4618-4f53-9e93-c0b0900fa3d5/osist-pren-18219-2025)

<https://standards.itih.ai/catalog/standards/sist/f76c4075-4618-4f53-9e93-c0b0900fa3d5/osist-pren-18219-2025>