Secure storage units - Classification for high security locks according to their resistance to unauthorized opening - distributed systems

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 17646:2022 sisaldab Euroopa standardi EN 17646:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 17646:2022 consists of the English text of the European standard EN 17646:2022.
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 03.08.2022.	Date of Availability of the European standard is 03.08.2022.
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 13.310

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 17646

August 2022

ICS 13.310

English Version

Secure storage units - Classification for high security locks according to their resistance to unauthorized opening - Distributed systems

Unités de stockage en lieu sûr - Classification des serrures haute sécurité en fonction de leur résistance à l'effraction - Systèmes répartis

Wertbehältnisse - Klassifizierung von Hochsicherheitsschlössern nach ihrem Widerstandswert gegen unbefugtes Öffnen - Verteilte Systeme

This European Standard was approved by CEN on 27 June 2022.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

Ref. No. EN 17646:2022 E

Contents

Page

European foreword

This document (EN 17646:2022) has been prepared by Technical Committee CEN/TC 263 “Secure storage of cash, valuables and data media”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by February 2023, and conflicting national standards shall be withdrawn at the latest by February 2023.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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, Turkey and the United Kingdom.

1 Scope

This document is applicable to Distributed Systems (DS), i.e. high security locks with components which have a wired or wireless connection via a transmission system in order to execute fixed operating conditions using different individually fixed access possibilities.

Products which are to be tested on the basis of this document comply with the generally recognized state of the art at the time of testing. Due to the short innovation cycles in the field of electronic and, in particular, information technology applications, the technical possibilities available at the time of product development should also be taken into account during implementation.

Distributed systems can be used, for example, to operate high security locks of secure storage units (safes and strongrooms).

High security locks (HSL) are used in DS as locking unit.

This document does not apply for stand-alone HSL, which are not part of a distributed system. For these stand-alone HSL EN 1300 is applicable only.

The document will be revised with a frequency of 3 years as the research in the area of cryptography and relevant attacks evolve with high speed as well as the referenced standards.

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.

EN 1300, *Secure storage units - Classification for high security locks according to their resistance to unauthorized opening*

EN 1143-1, *Secure storage units - Requirements, classification and methods of test for resistance to burglary - Part 1: Safes, ATM safes, strongroom doors and strongrooms*

EN 1143-2, *Secure storage units - Requirements, classification and methods of tests for resistance to burglary - Part 2: Deposit systems*

EN ISO/IEC 27001, *Information technology - Security techniques - Information security management systems - Requirements (ISO/IEC 27001)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1300 and the following apply.

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

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

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

3.1
remote input unit
rIU
additional component which allows information to be entered from a remote location and is intended for exclusive use in a distributed system

Note 1 to entry: Input units (IU) are defined in EN 1300.