

STN	Bezpečnostné úschovné objekty Klasifikácia zámkov s vysokou bezpečnosťou podľa ich stupňa odolnosti proti neoprávnenému otvoreniu Rozdelené systémy	STN EN 17646 93 7710
------------	--	--

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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/22

Obsahuje: EN 17646:2022

135798

EUROPEAN STANDARD

EN 17646

NORME EUROPÉENNE

EUROPÄISCHE NORM

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.

CEN 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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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

CEN members are the national standards bodies 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, Turkey and United Kingdom.



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

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

EN 17646:2022 (E)

Contents	Page
European foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Symbols and abbreviations	8
5 Classification	8
6 Requirements	8
6.1 General	8
6.1.1 General	8
6.1.2 Construction	9
6.2 System administration	10
6.2.1 Administrative procedures	10
6.2.2 Confirmation of remotely initiated security relevant operating procedures	10
6.2.3 Information processing system as central operation/administration instance	11
6.2.4 Authentication of components	11
6.2.5 Software and firmware	11
6.2.6 Administration interfaces	13
6.2.7 Authentication of users	13
6.2.8 Indication of the blocking status	14
6.2.9 Recording events	15
6.2.10 Data traffic in the secured state	17
6.2.11 Detection of manipulations	17
6.2.12 Indication of blocking times	17
6.2.13 Resistance to spying	17
6.3 Information security	19
6.3.1 General protection aims	19
6.3.2 Requirements on cryptography	19
6.3.3 Other information security measures	22
6.4 Security requirements	22
6.4.1 Negative impact by power supply	22
6.4.2 Resistance against electrical and electromagnetic influences	22
6.4.3 Resistance against physical environmental influences	23
6.4.4 Temperature resistance	23
6.4.5 Reliability	23
6.5 Extraneous components	23
6.5.1 Use of extraneous components	23
6.5.2 Additional components	23
7 Technical documentation	23
7.1 General	23
7.2 Required technical documentation	23
7.3 Operating instruction	25
8 Test samples	26
9 Marking	26

Annex A (normative) Determination of burglary resistance due to design requirements	27
A.1 General	27
A.2 Electronic HSL as a part of a distributed system	27
Bibliography	28

EN 17646:2022 (E)**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)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN