

<b>STN</b>	<b>Informačné technológie Bezpečnostné metódy Požiadavky na testovanie kryptografických modulov</b>	<b>STN ISO/IEC 24759</b>  97 4125
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Information technology  
Security techniques  
Test requirements for cryptographic modules

Technologies de l'information  
Techniques de sécurité  
Exigences d'essai pour modules cryptographiques

Informationstechnik  
IT-Sicherheitsverfahren  
Prüfanforderungen für kryptographische Module

Táto norma obsahuje anglickú verziu ISO/IEC 24759: 2017.

This standard includes the English version of ISO/IEC 24759: 2017.

**133003**

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2021  
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii.

## **Anotácia**

Tento dokument špecifikuje metódy, ktoré majú testovacie laboratóriá použiť na testovanie, či kryptografický modul vyhovuje požiadavkám uvedeným v ISO/IEC 19790: 2012. Metódy sú vyvinuté tak, aby poskytovali vysoký stupeň objektivity počas procesu testovania a zabezpečovali konzistentnosť medzi testovacími laboratóriami.

Tento dokument taktiež špecifikuje požiadavky na informácie, ktoré dodávatelia poskytujú testovacím laboratóriám ako podporný dôkaz preukazujúci zhodu ich kryptografických modulov s požiadavkami špecifikovanými v ISO/IEC 19790: 2012.

Dodávatelia môžu tento dokument použiť ako návod pri pokuse o overenie, či ich kryptografické moduly vyhovujú požiadavkám uvedeným v norme ISO/IEC 19790: 2012, skôr ako sa prihlásia do skúšobne na testovanie.

## **Národný predhovor**

### **Normatívne referenčné dokumenty**

Nasledujúce dokumenty, celé alebo ich časti, sú v tomto dokumente normatívnymi odkazmi a sú nevyhnutné pri jeho používaní. Pri datovaných odkazoch sa použije len citované vydanie. Pri nedatovaných odkazoch sa použije najnovšie vydanie citovaného dokumentu (vrátane všetkých zmien).

POZNÁMKA 1. – Ak bola medzinárodná publikácia zmenená spoločnými modifikáciami, čo je indikované označením (mod), použije sa príslušná EN/HD.

POZNÁMKA 2. – Aktuálne informácie o platných a zrušených STN možno získať na webovej stránke [www.unms.sk](http://www.unms.sk).

ISO/IEC 19790: 2012 zavedená v STN EN ISO/IEC 19790: 2020 Informačné technológie. Bezpečnostné metódy. Bezpečnostné požiadavky na kryptografické moduly (ISO/IEC 19790: 2012) (36 9781)

### **Vypracovanie normy**

Spracovateľ: Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, Bratislava

Technická komisia: TK 37 Informačné technológie

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## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by ISO/IEC JTC 1, *Information technology*, Subcommittee SC 27, *IT Security techniques*.

This third edition cancels and replaces the second edition (ISO/IEC 24759:2014), of which it constitutes a minor revision. It also incorporates the Technical Corrigendum ISO/IEC 24759:2014/Cor.1:2015.

The main changes compared to the previous edition (plus other minor editorial modifications) are as follows:

- References to ISO/IEC 19790:2012 have been corrected throughout;
- [6.2.3.2](#): AS02.15, AS02.16, AS02.17 and AS02.18 modified;
- [6.3.3](#): AS03.04, AS03.07, AS03.10 and AS03.15 modified;
- [6.3.4](#): AS03.19 modified;
- [6.4.1](#): AS04.02 modified;
- [6.4.2](#): AS04.05, AS04.06 and AS04.07 modified;
- [6.4.3.1](#): AS04.11, AS04.13 and AS04.14;
- [6.4.3.2](#) and AS04.20;
- [6.4.4](#): AS04.39, AS04.40 and AS04.42 modified;
- [6.5](#): AS05.05, AS05.06, AS05.07, AS05.08, AS05.13, AS05.17 and AS05.18 modified;
- [6.8](#): AS08.04 modified;
- [6.10.1](#): AS10.17 modified.

**ISO/IEC 24759:2017(E)**

# Information technology — Security techniques — Test requirements for cryptographic modules

## 1 Scope

This document specifies the methods to be used by testing laboratories to test whether the cryptographic module conforms to the requirements specified in ISO/IEC 19790:2012. The methods are developed to provide a high degree of objectivity during the testing process and to ensure consistency across the testing laboratories.

This document also specifies the requirements for information that vendors provide to testing laboratories as supporting evidence to demonstrate their cryptographic modules' conformity to the requirements specified in ISO/IEC 19790:2012.

Vendors can use this document as guidance in trying to verify whether their cryptographic modules satisfy the requirements specified in ISO/IEC 19790:2012 before they apply to the testing laboratory for testing.

## 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/IEC 19790:2012, *Information technology — Security techniques — Security requirements for cryptographic modules*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**