

STN	Štandard posudzovania bezpečnosti pre platformy internetu vecí (SESIP) Efektívna metodika na uplatňovanie hodnotenia kybernetickej bezpečnosti a opätovného použitia pre prepojené produkty	STN EN 17927 97 4174
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Security Evaluation Standard for IoT Platforms (SESIP). An effective methodology for applying cybersecurity assessment and re-use for connected products.

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

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EUROPEAN STANDARD

EN 17927

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EUROPÄISCHE NORM

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English version

**Security Evaluation Standard for IoT Platforms (SESIP).
An effective methodology for applying cybersecurity
assessment and re-use for connected products.**

Norme d'évaluation de la sécurité pour les plates-
formes IoT (SESIP) - Une méthodologie efficace pour
appliquer et réutiliser des évaluations de la
cybersécurité de produits connectés

Sicherheitsbewertungsstandard für IoT-Plattformen -
Eine effektive Methode zur Anwendung der
Cybersicherheitsbewertung und Wiederverwendung
für vernetzte Produkte

This European Standard was approved by CEN on 13 April 2023.

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Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms, definitions, symbols and abbreviated terms	5
4	Overview	6
5	Security Functional Requirements (SFRs)	19
6	Security Process Packages (SPPs)	38
7	Security Assurance Requirements (SARs)	40
8	SESIP Assurance Levels	53
Annex A (informative) SESIP evaluation case example		60
Annex B (informative) Guidance — Attack potential rating		61
Annex C (informative) Example use cases		64
Annex D (informative) Security Target template		73
Annex E (Normative) Composition Guidelines		92
Annex F (Informative) SESIP in overall product securing process		98
Bibliography		101

European foreword

This document (EN 17927:2023) has been prepared by Technical Committee CEN/JTC 13 “Cybersecurity and Data Protection”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by May 2024, and conflicting national standards shall be withdrawn at the latest by May 2024.

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EN 17927:2023(E)**Introduction**

This document specifies the Security Evaluation for Secure IoT Platforms (SESIP). It includes general requirements for Security Functional Requirements (SFRs), Security Process Packages (SPPs) and Security Assurance Requirements (SARs) designed to be used in the evaluation and certification of IoT platforms.

SESIP is a methodology for the security evaluation of platforms on which connected products are based. The term “platform” in SESIP is defined as the implementation of underlying features for an application layer; a platform can be subdivided in “platform parts”.

SESIP does not address the final connected product itself, but the results of the SESIP evaluation of connected platforms are meant to be able to be used as evidence for compliance demonstration to standards addressing Connected Products.

This makes SESIP not redundant with current IoT standards but a tool on which those standards can base on by reusing outputs. It is indeed impossible for a product vendor to provide, with reasonable effort, assessment evidences for all platform parts integrated from different developers/manufacturers.

This SESIP methodology specific goals are summarized below:

- To be accessible to applicable IoT products stakeholders;
- To provide clear but harmonized security claims;
- To consider time-to-market needs by providing an optimized and efficient methodology;
- To enable the reuse of evaluation results in different products and/or between different standards and avoid redundant evaluations of same platform (parts)without added value;
- To support Connected Products compliance demonstration to Connected Product standards.

Fulfilling of these goals allows SESIP raising the overall security in IoT ecosystems by increasing the number of security evaluations through clarity in security claims and optimized efforts.

1 Scope

This document specifies a cybersecurity evaluation methodology, named SESIP, for platforms and platform parts of connected IoT products. Security claims in SESIP are made based on the security services offered by those platforms. Platform parts can be in hardware and software. SESIP aims to support comparability between and reuse of independent security evaluations. SESIP provides a common set of requirements for the security functionality of platform parts which apply to the foundational platforms of devices that are not application specific. The methodology specifies the re-use of evaluation results.

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 17000:2020, *Conformity assessment — Vocabulary and general principles*

ISO/IEC 17065:2012, *Conformity assessment — Requirements for bodies certifying products, processes and services*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN