

STN P	Poštové služby Digitálne, voliteľné online pripojené, otváracie a zatváracie systémy pre balíkové schránky pre domáce použitie s voľným prístupom pre doručovacích a vyberajúcich operátorov a spotrebiteľov	STN P CEN/TS 17457 96 1054
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Postal services - Digital, optional online connected, opening and closing systems for parcel receptacles for home use with free access for the delivery and collection operators and consumers

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. 08/20

Táto predbežná STN je určená na overenie. Pripomienky zasielajte ÚNMS SR najneskôr do 1. 4. 2022.

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English Version

Postal services - Digital, optional online connected, opening and closing systems for parcel receptacles for home use with free access for the delivery and collection operators and consumers

Services postaux - Systèmes d'ouverture et de fermeture, électroniques, optionnellement connectés, pour compartiments à colis, pour utilisation à domicile, avec accès libre pour les opérateurs de distribution et de retrait et les consommateurs

Postalische Dienstleistungen - Digitale, optional online verbundene Öffnungs- und Schließsysteme für Paketübergabeeinheiten mit freiem Zugang für Zustell- und Abholdienstleister und Kunden

This Technical Specification (CEN/TS) was approved by CEN on 28 March 2020 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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

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CEN/TS 17457:2020 (E)

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CEN/TS 17457:2020 (E)**European foreword**

This document (CEN/TS 17457:2020) has been prepared by Technical Committee CEN/TC 331 “Postal services”, the secretariat of which is held by NEN.

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.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association.

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Introduction

This document focuses on the authentication of a delivery agent attempting to deliver a parcel into a receptacle or parcel box system. Today, without a uniform system, the interoperability between manufacturers and delivery operators is complex, as shown in Figure 1. The goal of this document is to improve this situation as shown in Figure 2. Ideally, for a group of manufacturers who want to operate with a group of delivery operators, it is advantageous to use a common system. This document specifies the parameters to use to direct opening system solutions.

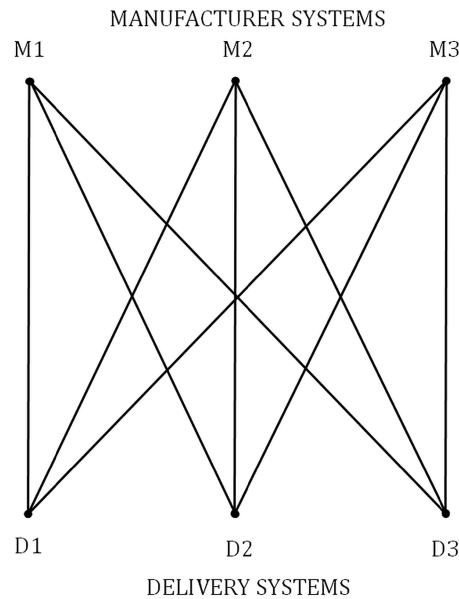


Figure 1 — Interoperability diagram without this document

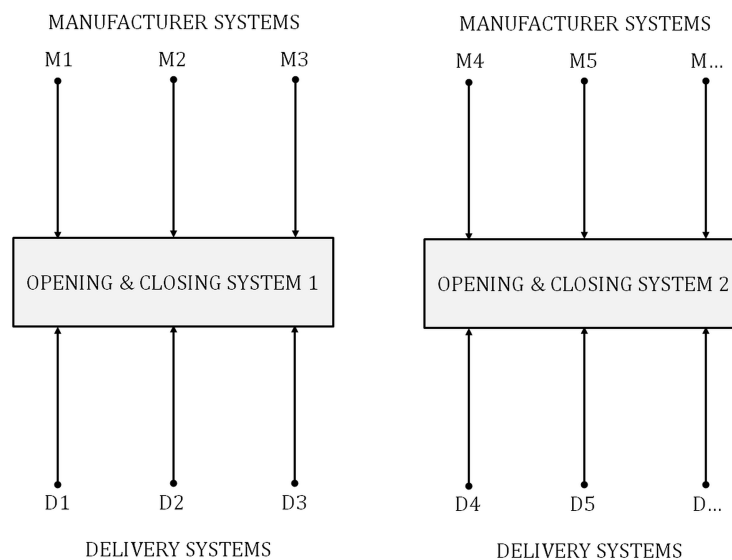


Figure 2 — Interoperability diagram according to this document

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The opening system is a service provider based on an intermediary between the delivery organization and the recipient, following Figure 3. The trust service can be a manufacturer or a manufacturer with a third party.

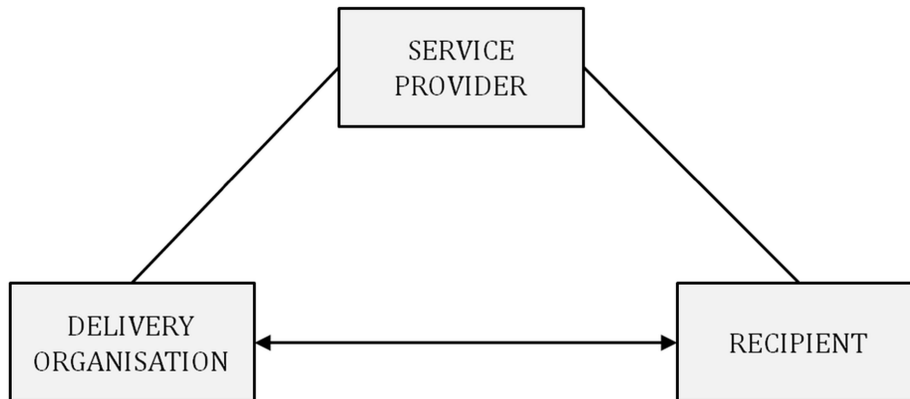


Figure 3 — Service provider organization

1 Scope

The objective of this document is to define the framework for secure, trustworthy and user-friendly opening systems for parcel boxes for home use. Particular attention is given to facilitating secure electronic authentication of the delivery operator. This document exists considering the Standardization request M/548 from the European Commission and it aims to solve the lack of operability between parcel box manufacturers and delivery operators.

Therefore, this document describes the minimal requirements of a digital, optional online connected, opening and closing system for parcel boxes and prerequisites to create favourable conditions of interoperability between all market participants.

This document is designed to fit with solutions already on the market and define the good practices and pathway for future systems. It adopts an approach which is open to innovation. It is expected to be possible to achieve the necessary requirements through different technologies.

The systems of opening rights are intended to open parcel boxes as defined in CEN/TS 16819. However, the specification is extended to other receptacle solutions, in the frame of the home use (e.g. garage door, bags, etc.), when these receptacle solutions are compliant with the requirements of CEN/TS 16819 when the case allows.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN