



**SLOVENSKI STANDARD**  
**SIST-TS CEN ISO/TS 21719-1:2018**  
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**Elektronsko pobiranje pristojbin - Personalizacija (prilaganje) opreme vozil - 1.**  
**del: Okvir (ISO/TS 21719-1:2018)**

Electronic fee collection - Personalization of on-board equipment (OBE) - Part 1:  
Framework (ISO/TS 21719-1:2018)

Electronische Gebührenerhebung - Personalisierung von Onboard Einrichtungen - Teil 1:  
Grundstruktur (ISO/TS 21719-1:2018)

Perception de télépéage - Personnalisation des équipements embarqués - Partie 1:  
Cadre (ISO/TS 21719-1:2018)

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**Ta slovenski standard je istoveten z: CEN ISO/TS 21719-1:2018**

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**ICS:**

03.220.20	Cestni transport	Road transport
35.240.60	Uporabniške rešitve IT v prometu	IT applications in transport

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TECHNICAL SPECIFICATION  
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**CEN ISO/TS 21719-1**

February 2018

ICS 03.220.20; 35.240.60

English Version

**Electronic fee collection - Personalization of on-board  
equipment (OBE) - Part 1: Framework (ISO/TS 21719-  
1:2018)**

Perception de télépéage - Personnalisation des  
équipements embarqués - Partie 1: Cadre (ISO/TS  
21719-1:2018)

Elektronische Gebührenerhebung - Personalisierung  
von Onboard Einrichtungen - Teil 1:  
Grundstruktur(ISO/TS 21719-1:2018)

This Technical Specification (CEN/TS) was approved by CEN on 2 February 2018 for provisional application.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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## European foreword

This document (CEN ISO/TS 21719-1:2018) has been prepared by Technical Committee ISO/TC 204 "Intelligent transport systems" in collaboration with Technical Committee CEN/TC 278 "Intelligent transport systems", the secretariat of which is held by NEN.

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# TECHNICAL SPECIFICATION

# ISO/TS 21719-1

First edition  
2018-02

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## Electronic fee collection — Personalization of on-board equipment (OBE) —

### Part 1: Framework

**iTeh STANDARD PREVIEW**  
*Perception de télépéage — Personnalisation des  
équipements embarqués —  
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Partie 1: Cadre*

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## Introduction

On-board equipment (OBE) is an in-vehicle device that is able to contain one or more application instances in order to support different intelligent transportation system (ITS) implementations such as electronic fee collection (EFC). Examples of EFC applications are road toll collection/road charging, localization augmentation (LAC) or compliance checking (CCC).

To assign the EFC application in the OBE to a certain user and/or vehicle, personalization should be performed. This means that unique user and vehicle related data, needs to be transferred to the OBE.

The CEN/TR 16152 already assessed many aspects of the personalization process and it also defined the overall personalization assets, i.e. application data, application keys and vehicle data.

Different communication media may be used for transferring the personalization assets to the OBE; but for all media, common procedures may be applied such as an overall message exchange framework and necessary security functionality in order to ensure data protection and integrity.

By standardizing the personalization procedure, compatibility of personalization equipment is supported, and the entity responsible for the personalization, e.g. a toll service provider, will be able to outsource parts of, or a complete, personalization to a third party, another service provider or a personalization agent.

This document defines common functionality for personalization that is independent of the communication media and personalization equipment (PE) used, while the subsequent parts define in detail how the functions are realized on different defined communication media and interfaces.

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