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

**Part 1:
Framework**

*Perception de télépéage — Personnalisation des
équipements embarqués —*

Partie 1: Cadre

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Foreword

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This document was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems*.

A list of all parts in the ISO 21719 series can be found on the ISO website.

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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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