

# The European electronic toll service and CEN EFC standards

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# Outline

1. Overview on standards and Electronic Fee Collection (EFC) standardization
2. The European electronic toll service (EETS) and CEN EFC standards

# 1. Overview on standards and EFC standardization



# Overview on standards and EFC standardization

- **What is a standard?**

- A document approved by a recognized standardization body (CEN, ISO,...), intended to be used repeatedly, creating synergies and reducing costs, maintained to keep abreast with market developments and technology advancements
- Standards are not laws but sometimes referred to in legislation



- **EFC standardization**

- Create and ensure the long-term stability of the EFC ecosystem, support agreement, open market and interoperability
- 50+ published standards, technical specifications and technical reports  
System architecture, vocabulary, data dictionary, information exchanges for charging and compliance checking, security, testing for conformance assessment
- **8 CEN EFC standards are referred to in the EETS legislation**
- For more details – see [Introduction to standards on electronic fee collection \(EFC\)](#)

## 2. The EETS and CEN EFC standards

# Recast of the European electronic toll service (EETS) legislation

- [EU Directive 2019/520](#) on Interoperability of electronic road toll systems and facilitating cross-border exchange of information on the failure to pay road fees
- Commission [Implementing Regulation \(EU\) 2020/204](#) on detailed obligations of Toll Service Providers and Toll Charges
- Commission [Delegated Regulation \(EU\) 2020/203](#) on obligations of users, classification of vehicles, requirements for interoperability constituents and NBs
- **8 CEN EFC standards** (dated editions) are referred to in the EETS legal acts

# Recast of the EETS legislation – main changes

## **Main changes compared with previous version (Directive 2004/52/EC and Decision 2009/750/EC)**

- Cross border enforcement has been added
- Separation of EETS Heavy Duty Vehicles (HDVs) and EETS Light Vehicles
- Clarification of responsibilities (for EETS providers)
- Efforts to remove market entry barriers (e.g. regional EETS) and to promote competition
- EFC based on Automatic Number Plate Recognition (ANPR) added as accepted EETS charging technology
- Harmonization of back-office interfaces based on CEN/TS 16986
- Enhanced service definition through references to standards
- The standards explicitly mentioned in the legal acts make them legally binding as part of the legislation

# EFC standards and EETS

## **Not the same scope**

- EETS is a single service: Users are free to take advantage of the local and/or the European service
- EFC standards support broader technical needs: Used in 50 countries, 140 systems, 150 million vehicles

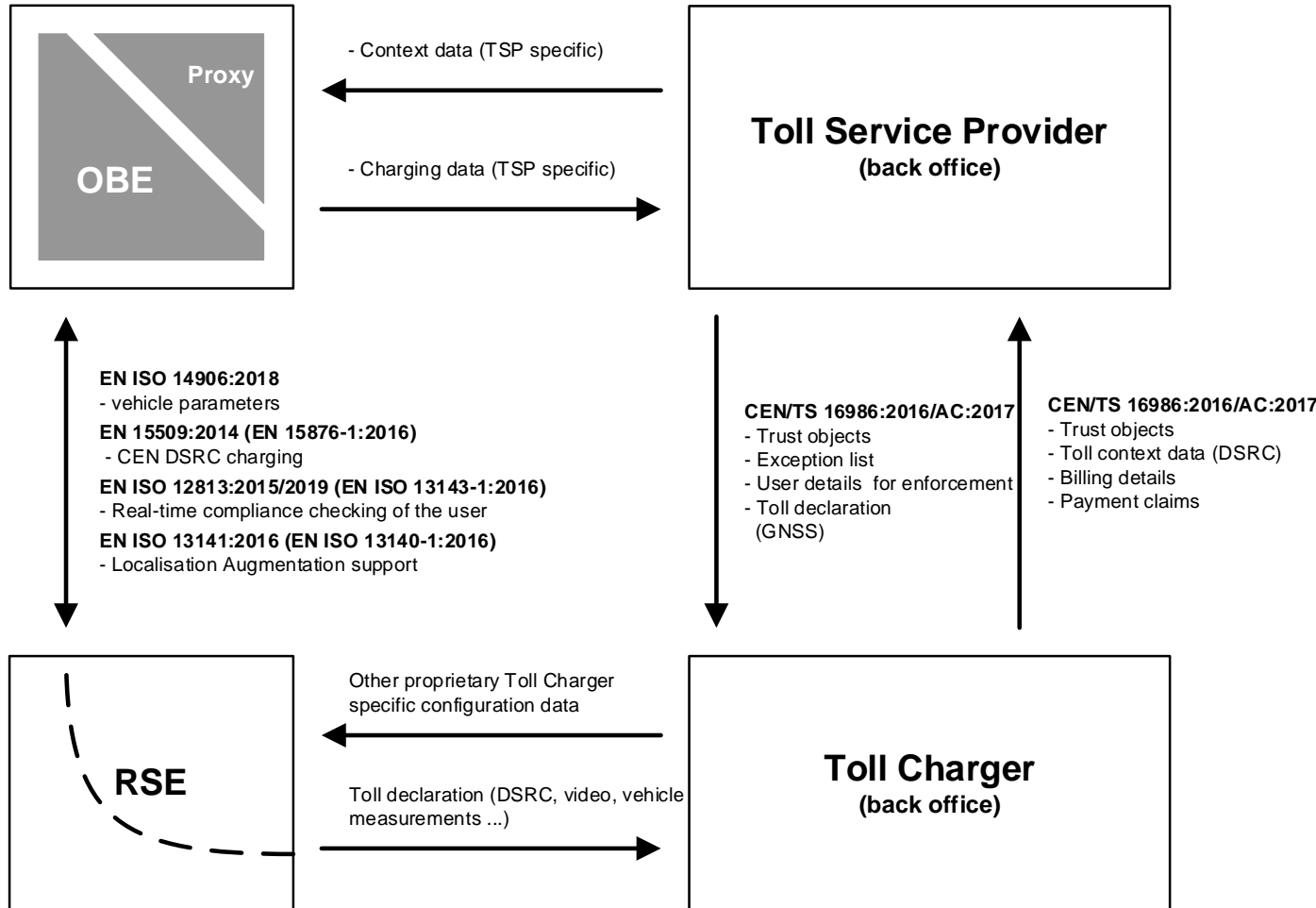
## **EFC standards support EETS**

- by providing technical building blocks...
- ... but do not have the task to deliver "tailor-made" specifications for EETS
- ... this is up to the owner of EETS
- non-technical aspects are outside the scope of CEN

## **Legislator decides on the legal status of standards**



# EFC standards and EETS



- EETS legislation refers to dated versions of standards
- The legislator decides whether to refer to (updated) standards in legislation. Updated versions of referenced standards are not automatically adopted in the EETS legislation
- Some of the dated referenced standards have been updated (see [Introduction to standards on electronic fee collection \(EFC\)](#), Annex – Published EFC CEN/ISO documents). Others are being or going to be updated.

# Want to know more or participate?

## Co-ordination of EFC standardization in ISO/TC 204/WG 5 and CEN/TC 278/WG 1

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