

# DIN CEN/TR 16152: 2011-05(E)

Electronic fee collection\_ - Personalisation and mounting of first mount OBE; English version CEN/TR 16152:2011

---

## Contents

	Page
Foreword.....	3
Introduction .....	4
1 Scope .....	5
1.1 Background and expected benefits of first-mount OBE .....	5
1.2 Personalisation concept .....	5
2 Normative references .....	6
3 Terms and definitions .....	6
4 Symbols and abbreviations .....	6
5 Context Description.....	7
5.1 General.....	7
5.2 Actors and Roles .....	8
5.3 Overview of Assets.....	10
5.4 Use cases .....	12
5.4.1 Initialisation: Mounting of OBE .....	12
5.4.2 Initialisation: Assignment of individual data .....	12
5.4.3 Initialisation: Assignment of vehicle data.....	13
5.4.4 Contracting of the OBE with the Service Provider.....	14
5.4.5 Enabling long range mobile communication.....	15
5.4.6 Change of the vehicle for the same contract.....	16
5.4.7 Cancellation of an existing contract.....	17
5.4.8 Change of the contract for the same vehicle.....	17
5.4.9 Normal EFC use cases: charging and enforcement .....	18
5.4.10 Repair and upgrade of the OBE .....	19
5.4.11 Change of vehicle properties .....	20
5.4.12 Decommissioning and replacement of the OBE .....	21
6 Personalisation concept .....	22
6.1 Overall requirements.....	22
6.1.1 Functional requirements.....	22
6.1.2 Security Requirements.....	26
6.2 Vehicle interface requirements and constraints .....	34
6.2.1 Introduction .....	34
6.2.2 Installation principles .....	35
7 Personalisation data.....	35
7.1 EFC Attributes .....	35
7.2 OBE related data .....	37
7.3 Access protection information.....	37
7.4 Vehicle registration data .....	37
8 Recommendations.....	38
Bibliography .....	40