ISO 14906:2011-10 (E)

Electronic fee collection - Application interface definition for dedicated short-range communication

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 2

3 Terms and definitions 2

4 Abbreviated terms 5

5 EFC application interface architecture 7
5.1 Relation to the DSRC communication architecture 7
5.2 Usage of DSRC application layer by the EFC application interface 9
5.3 Addressing of EFC attributes 9
5.4 Addressing of components 11

6 EFC Transaction Model 12
6.1 General 12
6.2 Initialisation Phase 12
6.3 Transaction phase 15

7 EFC Functions 17
7.1 Overview and general concepts 17
7.2 EFC functions 21

8 EFC Attributes 34
8.1 General 34
8.2 Data group CONTRACT 36
8.3 Data group RECEIPT 36
8.4 Data group VEHICLE 36
8.5 Data group EQUIPMENT 37
8.6 Data group DRIVER 37
8.7 Data group PAYMENT 37

Annex A (normative) EFC data type specifications 51

Annex B (informative) CARDME transaction 67

Annex C (informative) Examples of EFC transaction types 93

Annex D (informative) Functional requirements 103

Annex E (normative) Mapping table from LatinAlphabetNo2 & 5 to LatinAlphabetNo1 110

Annex F (informative) Mapping table between EFC Vehicledata attribute and European registration certificate 111

Bibliography 113