

# ISO 14906:2004-09 (E)

## Road transport and traffic telematics - Electronic fee collection - Application interface definition for dedicated short-range communication

---

<b>Contents</b>		<b>Page</b>
page	Foreword .....	v
	Introduction .....	vi
1	Scope .....	1
2	Normative references .....	2
3	Terms and definitions .....	3
4	Abbreviations .....	5
5	EFC application interface architecture .....	8
5.1	Relation to the DSRC communication architecture .....	8
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 .....	38
8.1	General .....	38
8.2	Data group CONTRACT .....	40
8.3	Data group RECEIPT .....	42
8.4	Data group VEHICLE .....	46
8.5	Data group EQUIPMENT .....	47
8.6	Data group DRIVER .....	47
8.7	Data group PAYMENT .....	48
	Annex A (normative) EFC data type specifications .....	49
	Annex B (informative) CARDME transaction .....	64
	Annex C (informative) Examples of EFC transaction types .....	93
	Annex D (informative) Functional requirements .....	104
	Bibliography .....	111