

ISO 13141:2015-12 (E)

Electronic fee collection - Localisation augmentation communication for autonomous systems

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	3
4	Abbreviated terms	4
5	Application interface architecture	5
5.1	General	5
5.2	Services provided	5
5.3	Attributes	5
5.4	Contract and toll context	5
5.5	Use of lower layers	6
5.5.1	Supported DSRC communication stacks	6
5.5.2	The use of the CEN DSRC stack	6
6	Conformance requirements	6
6.1	General	6
6.2	Functional requirements	7
6.2.1	Minimum supported transaction details	7
6.2.2	Initialising communication	7
6.2.3	Writing of data	7
6.2.4	Termination of communication	7
6.3	Security	8
6.3.1	General	8
6.3.2	Authentication of RSE -- Access credentials	8
6.3.3	Authentication of LAC Data	8
7	Attributes	8
7.1	General	8
7.2	Data regarding location reference	9
7.3	Operational data	10
7.4	OBE contractual data	10
7.5	Security-related data	11
8	Transaction model	11
8.1	General	11
8.2	Initialisation phase	12
8.2.1	General structure	12
8.2.2	LAC application-specific contents of the BST	12
8.2.3	LAC application-specific contents of the VST	12
8.3	Transaction phase	12
Annex A (normative)	LAC data type specifications	13
Annex B (normative)	PICS proforma for the data elements in the attribute	14

Annex C (informative) ETSI/ES 200-674-1 communication stack usage for LAC applications	21
Annex D (informative) IR communication usage for LAC applications	24
Annex E (informative) ARIB DSRC communication stack usage for LAC applications	25
Annex F (informative) LAC transaction example	27
Annex G (informative) Use of this International Standard for the EETS	29
Bibliography	31