

DIN EN ISO 13141:2017-10 (E)

Electronic fee collection - Localisation augmentation communication for autonomous systems - Amendment 1 (ISO 13141:2015 + Amd 1:2017); English version EN ISO 13141:2015 + A1:2017

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**