

E DIN EN 15509:2020-11 (E)

Erscheinungsdatum: 2020-10-16

Electronic fee collection - Interoperability application profile for DSRC; English version prEN 15509:2020

Contents	Page
European foreword.....	4
Introduction	5
1 Scope.....	7
2 Normative references.....	8
3 Terms and definitions	8
4 Symbols and abbreviations	12
5 Conformance.....	13
5.1 General.....	13
5.2 Base standards.....	13
5.3 Main contents of an EFC-DSRC-IAP	15
5.4 Conformance requirements	16
5.5 Conformation notification	16
5.6 Conformance evaluation and testing	16
5.7 Multiple IAPs.....	16
6 Requirements for EFC-DSRC-IAP 1.....	16
6.1 OBU requirements	16
6.1.1 General.....	16
6.1.2 DSRC requirements	16
6.1.3 DSRC L7 and EFC functions	17
6.1.4 Data requirements.....	17
6.1.5 Security requirements	19
6.1.6 Transaction requirements.....	20
6.2 RSE requirements	20
6.2.1 General.....	20
6.2.2 DSRC requirements	20
6.2.3 DSRC L7 and EFC functions	20
6.2.4 Data requirements.....	20
6.2.5 Security requirements	21
6.2.6 Transaction requirements.....	21
Annex A (normative) Data specification	22
Annex B (normative) Implementation conformance statement proforma.....	26
B.1 General.....	26
B.2 Guidance for completing the ICS proforma.....	26
B.2.1 Purposes and structure.....	26
B.2.2 Abbreviations and conventions	26
B.3 Instructions for completing the ICS proforma.....	28
B.4 ICS proforma for OBU	28
B.4.1 Identification implementation	28
B.4.2 Global statement of conformance	29
B.4.3 ICS proforma for OBU	29
B.4.4 Profile requirements list for OBU	32

- B.5 ICS proforma for RSE 35**
- B.5.1 Identification implementation 35**
- B.5.2 Identification of the standard 35**
- B.5.3 Global statement of conformance 36**
- B.5.4 ICS proforma for RSE 36**
- B.5.5 Profile requirements list for RSE 39**
- Annex C (informative) IAP taxonomy and numbering 43**
- C.1 General 43**
- C.2 Contents of an Interoperable Application Profile (IAP) 43**
- C.3 IAP referencing and numbering 44**
- C.3.1 IAP numbering 44**
- C.3.2 Security levels numbering 44**
- C.3.3 Numbering and referencing examples 44**
- Annex D (informative) Security considerations 45**
- Annex E (informative) Interlayer management 46**
- E.1 General 46**
- E.2 RSE Interlayer Management guidelines 46**
- E.3 OBU Inter Layer Management guidelines 46**
- E.4 State Transition Tables 46**
- Annex F (informative) Mounting guidelines for the OBU 52**
- F.1 General 52**
- F.2 OBU mounting position 52**
- Annex G (informative) Use of this standard for the EETS 56**
- G.1 General 56**
- G.2 Overall relationship between European standardization and the EETS 56**
- G.3 European standardization work supporting the EETS 56**
- G.4 Correspondence between the EETS legislation and this document 57**
- Bibliography 58**