ISO/IEC 18013-4:2011-11 (E)

Information technology - Personal identification - ISO-compliant driving licence - Part 4: Test methods

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Conformance 1

3 Normative references 2

4 Terms and definitions 2

5 Abbreviated terms 2

6 Test design 3
6.1 General 3
6.2 Test hierarchy 3
6.3 Test administration 6

7 IDL Conformity test methods 7
7.1 Overview 7
7.2 Profiles 7
7.3 IDL test case specifications 7
7.4 Conformance 8

Annex A (normative) Test case specification: LDS in SE on SIC 9

A.1 Introduction 9
A.2 General test requirements 9
A.2.1 Preconditions for testing 9
A.2.2 Test setup 9
A.2.3 Implementation conformance statement 9
A.3 Test Layer SE_LDS - Logical Data Structure Tests 11
A.3.1 Test Unit SE_LDS_COM - Tests for EF.Com 11
A.3.2 Test Unit SE_LDS_DG1 - Tests for EF.DG1 17
A.3.3 Test Unit SE_LDS_DG2 - Tests for EF.DG2 27
A.3.4 Test Unit SE_LDS_DG3 - Tests for EF.DG3 32
A.3.5 Test Unit SE_LDS_DG4 - Tests for EF.DG4 35
A.3.6 Test Unit SE_LDS_DG5 - Tests for EF.DG5 38
A.3.7 Test Unit SE_LDS_DG6 - Tests for EF.DG6 39
A.3.8 Test Unit SE_LDS_DG7 - Tests for EF.DG7 48
A.3.9 Test Unit SE_LDS_DG8 - Tests for EF.DG8 57
A.3.10 Test Unit SE_LDS_DG9 - Tests for EF.DG9 67
A.3.11 Test Unit SE_LDS_SOD - Tests for EF.SOD 77
A.3.12 Test Unit SE_LDS_DG12 - Tests for EF.DG12 81
A.3.13 Test Unit SE_LDS_DG13 - Tests for EF.DG13 83
A.3.14 Test Unit SE_LDS_DG14 - Tests for EF.DG14 86

Annex B (normative) Test case specification: Commands for SE on SIC 90

B.1 Introduction 90

B.2 General test requirements 90
B.2.1 Preconditions for testing 90
B.2.2 Test setup 90
B.2.3 Implementation conformance statement 90
B.2.5 Key pair definition 93
B.2.6 Certificate specification 94
B.3 Test Layer SE_ISO7816 - Security and Command Tests 159
B.3.1 Test Unit SE_ISO7816_SelDF - SELECT DF Command 160
B.3.2 Test Unit SE_ISO7816_SecBAP- Security conditions of BAP protected IDL 162
B.3.3 Test Unit SE_ISO7816_BAP - Basic Access Protection 180
B.3.4 Test Unit SE_ISO7816_SelEFSM - Protected SELECT EF Command 190
B.3.5 Test Unit SE_ISO7816_ReadEFSM - Protected READ BINARY Command 200
B.3.6 Test Unit SE_ISO7816_SelEF - Unprotected SELECT EF Command 208
B.3.7 Test Unit SE_ISO7816_ReadEF - Unprotected READ BINARY Command 216
B.3.8 Test Unit SE_ISO7816_AA - Active Authentication 224
B.3.9 Test Unit SE_ISO7816_SecEAP - Security Conditions for EAP protected IDL 228
B.3.10 Test Unit SE_ISO7816_CA - Chip Authentication 243
B.3.11 Test Unit SE_ISO7816_CertVer - Certificate verification 261
B.3.12 Test Unit SE_ISO7816_TA - Terminal Authentication 295
B.3.13 Test Unit SE_ISO7816_AccCond - Effective Access Conditions 308
B.3.14 Test Unit SE_ISO7816_Update - Update mechanism 321
B.3.15 Test Unit SE_ISO7816_Migration - Migration policies 326
B.4 Summary of test cases 327

Bibliography 330