DIN CEN/TS 16921:2016-08 (E)

Personal identification - Borders and law enforcement application profiles for mobile biometric identification systems; English version CEN/TS 16921:2016

Contents

Page

European foreword ... 3

Introduction ... 4

1 Scope ... 5

2 Terms and definitions ... 5

3 Symbols and abbreviations ... 6

4 Portable identity verification systems ... 6
4.1 Introduction ... 6
4.2 Typology of portable identity verification systems ... 7
4.3 Portable identity verification systems in border control environment ... 7

5 General recommendations for portable identity verification systems ... 8
5.1 Biometric modalities ... 8
5.2 Usability and accessibility ... 8
5.3 European data protection regulation ... 8
5.4 Architecture ... 8
5.4.1 General aspects of architecture ... 8
5.4.2 Physical and logical structure ... 9
5.5 Biometric security functions ... 11
5.6 Biometric sensors ... 11
5.6.1 General ... 11
5.6.2 Fingerprint sensors ... 12
5.6.3 Face image sensors ... 13
5.6.4 Iris sensors ... 13
5.7 Biometric algorithms ... 13
5.8 Network performance ... 14

6 Application profiles ... 14
6.1 Introduction ... 14
6.2 Transportable systems ... 14
6.2.1 Profile description ... 14
6.2.2 Environment description ... 14
6.2.3 Biometric security description evaluation ... 14
6.3 Hand-held systems ... 15
6.3.1 Profile description ... 15
6.3.2 Environment description ... 15
6.4 Workstation systems ... 16

Bibliography ... 17