

DIN CEN/TS 18139:2025-06 (E)

Personal identification - European guide for biometric recognition applications based on ID documents (ERG); English version CEN/TS 18139:2025

Contents		Page
European foreword		3
Introduction		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		6
4 Abbreviated terms		8
5 Overview of biometric recognition systems		9
5.1 Concept		9
5.2 Biometric references		9
5.3 Types of identity documents		9
5.3.1 General		9
5.3.2 ePassport		10
5.3.3 National identity cards		10
5.3.4 Schengen visa		10
5.3.5 Driving licence		10
5.3.6 Residence permit		10
5.4 Topologies of identity recognition systems		11
6 Data protection and privacy		11
6.1 General		11
6.2 Obligation to provide information about data processing		11
6.3 Right of access and right to erasure		12
6.4 Sharing data with third countries and international organizations		12
6.5 Saving data for statistical reasons		12
7 Biometric systems used for recognition		12
7.1 General requirements and recommendations		12
7.1.1 Usability and accessibility		12
7.1.2 Quality or score driven approaches		14
7.1.3 Evaluation		16
7.1.4 Biometric security functions		16
7.1.5 Interoperability assurance		19
7.1.6 Biometric data quality		19
7.1.7 Data authenticity assurance		19
7.1.8 Logging		20
7.2 Recommendations for biometric systems		20
7.2.1 Recommendations for face biometrics		20
7.2.2 Requirements and recommendations for fingerprint biometrics		24
7.3 Contexts for recognition via biometrics		26
7.3.1 Automated border control		26
7.3.2 Manual border control		27
7.3.3 Mobile recognition		27
7.3.4 Passenger flow facilitation		27
Bibliography		29