

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