# DIN CEN/TS 17261:2019-03 (E)

## Biometric authentication for critical infrastructure access control - Requirements and Evaluation; English version CEN/TS 17261:2018

## Contents

Page


European foreword ... 3

Introduction ... 4

1 Scope ... 5

2 Normative references ... 5

3 Terms and definitions ... 6

4 Symbols and abbreviations ... 8

5 Conformance ... 8

6 Typical use-case ... 8

7 Requirements and recommendations ... 9
7.1 General ... 9
7.2 Design ... 9
7.2.1 General ... 9
7.2.2 Protection of access to biometric server, biometric data and functions of the biometric subsystem ... 9
7.2.3 Operator/Administrator control and authentication ... 9
7.2.4 Door unit ... 10
7.2.5 Biometric enrolment, re-enrolment and deletion ... 10
7.2.6 Biometric recognition ... 10
7.3 Operation ... 10
7.3.1 General ... 10
7.3.2 Identity assurance for enrolment ... 10
7.3.3 Enrolment process ... 10
7.3.4 Fallback authentication ... 11
7.4 Technical performance ... 11
7.4.1 General ... 11
7.4.2 Failure to enrol rate ... 11
7.4.3 Enrolment transaction duration ... 11
7.4.4 False accept rate ... 11
7.4.5 False reject rate ... 12
7.4.6 Verification transaction duration ... 12
7.5 Attack resistance ... 12
7.5.1 General ... 12
7.5.2 Resistance to tamper ... 12
7.5.3 Resistance to presentation attack ... 13
7.6 Performance and attack resistance requirements ... 13

8 Testing and reporting ... 14
8.1 System information and documentation ... 14
8.2 Configuration of system for testing ... 14
8.2.1 Scenario AACS ... 14
8.2.2 Configuration of biometric systems under test ... 15
8.3 Outline of test processes ... 15
8.3.1 Pretesting ... 15
8.3.2 Scenario performance evaluation ... 15
8.3.3 Attack resistance evaluation ... 17

Bibliography ... 18

**8.3 Outline of test processes** ..... **15**
**8.3.1 Pretesting** ..... **15**
**8.3.2 Scenario performance evaluation** ..... **15**
**8.3.3 Attack resistance evaluation** ..... **17**
**Bibliography** ..... **18**