ISO/IEC 19795-2:2007-02 (E)

Information technology - Biometric performance testing and reporting - Part 2: Testing methodologies for technology and scenario evaluation

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Conformance 1

3 Normative references 1

4 Terms and definitions 2
4.1 Biometric data 2
4.2 Components of a biometric system 2
4.3 User interaction with a biometric system 2
4.4 Performance measures 3

5 Overview of technology evaluations and scenario evaluations 3

6 Technology evaluation 6
6.1 Test design 6
6.2 Assembling an appropriate test corpus 8
6.3 Performance measurement 11
6.4 Reporting 16

7 Scenario evaluation 18
7.1 Test design 18
7.2 Test crew 23
7.3 Performance measurement 24
7.4 Reporting 26

8 Other issues applicable to technology and scenario evaluations 29
8.1 Parties to a test 29
8.2 Fairness 29
8.3 Basis for inclusion of test systems 29
8.4 Use of Frequently Asked Questions 30
8.5 Legal issues 30
8.6 Release of test source code 30
8.7 Supplier comment on test report 30

Annex A (informative) Phases and activities for primary technology test types 31

Annex B (informative) Relationship between presentations, attempts, and transactions 37

Annex C (informative) Reporting effort levels 38

Annex D (informative) Client-server testing 40

Annex E (informative) Comparing results across systems in multi-system tests 41