ISO/IEC 17839-3:2016-11 (E)

Information technology - Identification cards - Biometric System-on-Card - Part 3: Logical information interchange mechanism

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols and abbreviated terms 2

5 Conformance 2

6 Logical data structures 3
6.1 BSoC capability 3
6.2 Biometric reference qualifier 3
6.3 Configuration data 3
6.4 Enrolment procedures 3
6.4.1 Internal enrolment 3
6.4.2 External enrolment 4
6.5 Biometric comparison process 4
6.5.1 IFD initiated verification 4
6.5.2 Self-initiated verification 4

7 Discovery of services 4

8 Operational sequence 5

9 Feedback mechanisms during biometric acquisition process 5
9.1 Feedback message data objects 5
9.2 Time management in a BSoC 6
9.3 Feedback messages 8
9.3.1 Successful completion of the command 8
9.3.2 Status feedback messages 9
9.3.3 Cancellation of the command by the ICC 9

Annex A (informative) Sample APDU for Biometric System-on-Card comparison 10

Annex B (informative) Comparison of commands used among the different kinds of biometric-related implementations 11

Annex C (informative) Examples of self-initiated BSoC activation 12

Annex D (informative) Examples of command feedback message retrieving 13

Annex E (informative) State transitions for BSoC time management 14

Bibliography 15