

ISO/IEC 17922:2017-09 (E)

Information technology - Security techniques - Telebiometric authentication framework using biometric hardware security module

Contents		Page
1	Scope	1
2	Normative references.....	1
2.1	Identical Recommendations International Standards	1
2.2	Paired Recommendations International Standards equivalent in technical content.....	2
2.3	Additional references	2
3	Definitions	2
3.1	Terms defined in this Recommendation International Standard.....	2
3.2	Terms defined in other International Standards	2
4	Abbreviations	3
5	Symbols and terminology.....	3
6	Biometric hardware security module for telebiometric authentication.....	3
6.1	Additional feature of BHSM to the HSM.....	3
6.2	General scenario for use of the BHSM.....	4
6.3	Telebiometric authentication using the BHSM	4
7	Telebiometric authentication with biometric hardware security module.....	5
7.1	General	5
7.2	Enrolment procedures	5
7.3	Telebiometric authentication processes.....	7
8	BHSM based telebiometric authentication procedures.....	9
8.1	PSID generation and ITU-T X.509 certificate	9
8.2	BHSM based telebiometric authentication process	10
8.3	ASN.1 type for the encrypted PSID	10
Annex A	– PSID and related information.....	11
A.1	General	11
A.2	Encrypted PSID requesting an ITU-T X.509 certificate	11
A.3	ASN.1 for PSID	11
Annex B	– Procedures for inserting PSID using PKCS #10 with modification	13
Bibliography	14