

ISO/IEC 14888-3:2018 (E)

IT Security techniques — Digital signatures with appendix — Part 3: Discrete logarithm based mechanisms

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- B.1 Conversion from a field element to an integer: FE2I(r, x)
- B.2 Conversion from an integer to a field element: I2FE(r, x)
- B.3 Conversion from a field element to a binary string: FE2BS(r, x)
- B.4 Conversion from a binary string to an integer: BS2I(g, x)
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F.11.2	Example 2: Field F_p , 384-bit Prime p , SHA-384
F.11.2.1	General
F.11.2.2	Parameters
F.11.2.3	Signature key and verification key
F.11.2.4	Per message data
F.11.2.5	Signature
F.11.2.6	Verification
F.12	IBS-1 mechanism
F.12.1	Example 1: Field F_p , 512-bit Prime p , SHA-1
F.12.1.1	General
F.12.1.2	Parameters
F.12.1.3	Signature key and verification
F.12.1.4	Per message data
F.12.1.5	Signature
F.12.1.6	Verification
F.12.2	Example 2: Field F_p , 512-bit Prime p , SHA-1
F.12.2.1	General
F.12.2.2	Parameters
F.12.2.3	Signature key and verification key
F.12.2.4	Per message data
F.12.2.5	Signature
F.12.2.6	Verification
F.13	IBS-2 mechanism
F.13.1	General

- F.13.2 Example 1: Field F_p , 512-bit Prime p , SHA-1
- F.13.2.1 Parameters
- F.13.2.2 Signature key and verification key
- F.13.2.3 Per message data
- F.13.2.4 Signature
- F.13.2.5 Verification
- F.14 SM2 mechanism
- F.14.1 Example 1: Field F_p , 256-bit Prime p , SM3
- F.14.1.1 General
- F.14.1.2 Parameters
- F.14.1.3 Signature key and verification key
- F.14.1.4 Per message data
- F.14.1.5 Signature
- F.14.1.6 Verification
- F.14.2 Example 2: Field F_{2^m} , $m=257$, SM3
- F.14.2.1 General
- F.14.2.2 Parameters
- F.14.2.3 Signature key and verification key
- F.14.2.4 Per message data
- F.14.2.5 Signature
- F.14.2.6 Verification
- F.15 Chinese IBS mechanism
- F.15.1 General
- F.15.2 Example 1: Field F_p , 256-bit Prime p , SM3
- F.15.2.1 Parameters
- F.15.2.2 Signature key and verification key
- F.15.2.3 Per message data
- F.15.2.4 Signature
- F.15.2.5 Verification

Annex G (informative) Comparison of the signature schemes

- G.1 Symbols and abbreviated terms for comparing the signature schemes
- G.2 Comparison of the signature schemes

Annex H (informative) Claimed features for choosing a mechanism

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