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NIST(National Institute of Standards and Technology)

DES(Data Encryption Standard)

AES(Advanced

Encryption Standard)

(EU)

NESSIE(New European Schemes for Signatures, Integrity, and

Encryption)

2003

CRYPTREC(Cryptography Research & Evaluation Committee)

ISO/IEC(International Organization for Standardization /

International Electro-technical Commission)

2000

ISO/IEC

1999

ISO/IEC JTC 1

(ISO/IEC

9979, 1991(), 1999())

2000 4 22

가

“ ” , ISO/IEC

ISO/IEC 1999 ISO/IEC JTC1/SC27

SEED ISO/IEC

ISO/IEC

, 2000 4

(RFP)

가

, RFP가

RFP(ISO/IEC JTC1/SC27, “ Call for contributions on NP 18033 : Encryption algorithms”, ISO/IEC JTC1/SC27 N2563, 2000) 2000 9

2000 10

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15 ,

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[1]

1. ISO/IEC JTC1/SC27

	CAST - 128	
	SEED	
	XENON	
	ZODIAC	
	AES(Rijndael)	
	Serpent	
	Twofish	
	MARS	,
	RC6	,
	IDEA	
	CIPHERUNICORN - A	
	MISTY1	
	Hierocrypt - L1,3	
	Camellia	
	ACE	
	ECIES	
	RSA - OAEP	,
	EPOC	
	PSEC	
	HIME - 1,2	
	MULTI - S01	

2001 4

ZODIAC

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Rijndael(AES)

RC6 MARS

2001 10

CRYPTREC 가

64

MISTY1 128

Camellia

XENON

XENON

(WD : Working Draft) NP 18033-1 A.1

TDES, MISTY1,

AES, SEED, Camellia, CAST - 128, IDEA, RC6 3 WD

2002 4

SEED

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CRYPTREC

SEED

가 (ISO/IEC JTC1/SC27, "Third Party Evaluation

on SEED by CRYPTREC", ISO/IEC JTC1/SC27 N3213, 2002)¹⁾

64

Khazad

WD

가

, Khazad

NESSIE

가

2002

10

3 WD TDEA, MYSTY1, AES, Camellia, SEED,
 RC6 4 WD , NESSIE
 CRYPTREC
 가 SEED 4 WD
 CAST-128, IDEA, Khazad
 2002 10 SEED CAST-128, IDEA, Khazad
 가 , WD 1 (CD :
 Committee Draft) , 64
 5 SEED 128 4 1 CD
 , CAST-128 /
 SEED 2002 11 SC
 27

2.1 CD

64	TDEA	
	MISTY1	
	CAST-128	
	IDEA	
	Khazad	
128	AES	
	Camellia	
	SEED	
	RC6	

ISO/IEC

- (Open Evaluation)
- /
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SEED

, SEED

SEED
SEED

가

*1) 2001 10 SEED , CRYPTREC
 SEED 가 , 2002 3 가

CRYPTREC 가 .

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