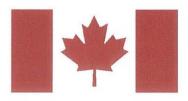


The National Institute of Standards and Technology of the United States of America





The Communications Security Establishment of the Government of Canada

Certificate No. 1042

The National Institute of Standards and Technology, as the United States FIPS 140-2 Cryptographic Module Validation Authority: and the Communications Security Establishment, as the Canadian FIPS 140-2 Cryptographic Module Validation Authority; hereby validate the FIPS 140-2 testing results of the Cryptographic Module identified as:

SafeNet HighAssurance 4000 Gateway by SafeNet, Inc.

(When operated in FIPS mode)

in accordance with the Derived Test Requirements for FIPS 140-2, Security Requirements for Cryptographic Modules, FIPS 140-2 specifies the security requirements that are to be satisfied by a cryptographic module utilized within a security system protecting Sensitive Information (United States) or Protected Information (Canada) within computer and telecommunications systems (including voice systems).

Products which use the above identified cryptographic module may be labeled as complying with the requirements of FIPS 140-2 so long as the product, throughout its life cycle, continues to use the validated version of the cryptographic module as specified in this certificate. The validation report contains additional details concerning test results. No reliability test has been performed and no warranty of the products by both agencies is either expressed or implied.

SafeNet HighAssurance 4000 Gateway by SafeNet, Inc. (Hardware Version: A: Firmware Version: 5.1: Hardware)

(
and tested by the Cryptographic Module Tes	ing accredited laboratory:	DOMUS IT Security Laboratory, NVLAP Lab Code 200017-0 CRYPTIK Version 7.0				
is as follows:						
Cryptographic Module Specification:	Level 2	Cryptographic Module Ports and Interfaces:	Level	2		
Roles, Services, and Authentication:	Level 2	Finite State Model:	Level	2		
Physical Security:	Level 2	Cryptographic Key Management:	Level	2		
(Multi-Chip Standalone) EMI/EMC:	Level 2	Self-Tests:	Level	2		
Design Assurance:	Level 2	Mitigation of Other Attacks:	Level	N/A		
Operational Environment:	Level N/A	tested in the following configuration(s): N/A				
The following FIPS approved Cryptographic Algorithms are used: Triple-DES (Cert. #258); AES (Cert. #156); SHS (Cert. #117); HMAC (Cert. #34); RSA (Cert. #209); RNG (Cert. #274)						
The cryptographic module also contains the	~	ed algorithms: Diffie-Hellman (key agreement; key esta y provides 90 bits of encryption strength); MD5; HMAC				

Overall Level Achieved: 2

Signed on behalf of the Government of the United States

Signed on behalf of the Government of Canada

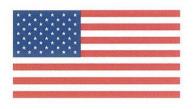
Signature: Signatu

Chief, Computer Security Division

National Institute of Standards and Technology

Director, Industry Program Group

Communications Security Establishment Canada



The National Institute of Standards and Technology of the United States of America





The Communications Security
Establishment of the Government
of Canada

Certificate No. 1043

The National Institute of Standards and Technology, as the United States FIPS 140-2 Cryptographic Module Validation Authority; and the Communications Security Establishment, as the Canadian FIPS 140-2 Cryptographic Module Validation Authority; hereby validate the FIPS 140-2 testing results of the Cryptographic Module identified as:

Entrust Entelligence™ Kernel-Mode Cryptomodule by Entrust, Inc.

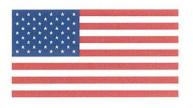
in accordance with the Derived Test Requirements for FIPS 140-2, Security Requirements for Cryptographic Modules. FIPS 140-2 specifies the security requirements that are to be satisfied by a cryptographic module utilized within a security system protecting Sensitive Information (United States) or Protected Information (Canada) within computer and telecommunications systems (including voice systems).

Products which use the above identified cryptographic module may be labeled as complying with the requirements of FIPS 140-2 so long as the product, throughout its life cycle, continues to use the validated version of the cryptographic module as specified in this certificate. The validation report contains additional details concerning test results. No reliability test has been performed and no warranty of the products by both agencies is either expressed or implied.

Entrust Entelligence™ Kernel-Mode Cryptomodule by Entrust, Inc.

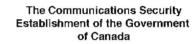
(Software Version: 1.1; Software)

and tested by the Cryptographic Module Testing accredited laboratory: is as follows:		DOMUS IT Security Laboratory, NVLAP Lab Code 2 CRYPTIK Version 7.0	00017-0			
Cryptographic Module Specification:	Level 1	Cryptographic Module Ports and Interfaces:	Level 1			
Roles, Services, and Authentication:	Level 1	Finite State Model:	Level 1			
Physical Security: (Multi-Chip Standalone) EMI/EMC:	Level N/A	Cryptographic Key Management:	Level 1			
	Level 1	Self-Tests:	Level 1			
Design Assurance:	Level 1	Mitigation of Other Attacks:	Level N/A			
Operational Environment:	Level 1	tested in the following configuration(s): Microsoft Windows XP Professional SP2; Microsoft Windows Vista Enterprise, 32-bit edition; Microsoft Windows Vista Ultimate SP1, 64-bit edition (single-user mode)				
The following FIPS approved Cryptographic Algorithms are used: AES (Cert. #738); Triple-DES (Cert. #655); Triple-DES MAC (Triple-DES Cert. #655, vendor affirmed)						
The cryptographic module also contains the following non-FIPS approved algorithms: N/A						
Overall Level Achieved: 1						
Signed on behalf of the Government of the U	Inited States	Signed on behalf of the Government of Canada				
Signature: William Chark		Signature: Can	_			
Dated: October 15, 2008		Dated: OC+. 8 July 8				
Chief, Computer Security Division National Institute of Standards and Technology		Director, Industry Program Group Communications Security Establishment Canada				



The National Institute of Standards and Technology of the United States of America





Certificate No. 1044

The National Institute of Standards and Technology, as the United States FIPS 140-2 Cryptographic Module Validation Authority; and the Communications Security Establishment, as the Canadian FIPS 140-2 Cryptographic Module Validation Authority; hereby validate the FIPS 140-2 testing results of the Cryptographic Module identified as:

SafesITe PIV TPC DL FIPS GX4 with SafesITe FIPS 201 Applet v1.20 by Gemalto (When operated in FIPS mode)

in accordance with the Derived Test Requirements for FIPS 140-2, Security Requirements for Cryptographic Modules. FIPS 140-2 specifies the security requirements that are to be satisfied by a cryptographic module utilized within a security system protecting Sensitive Information (United States) or Protected Information (Canada) within computer and telecommunications systems (including voice systems).

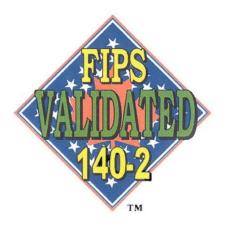
Products which use the above identified cryptographic module may be labeled as complying with the requirements of FIPS 140-2 so long as the product, throughout its life cycle, continues to use the validated version of the cryptographic module as specified in this certificate. The validation report contains additional details concerning test results. No reliability test has been performed and no warranty of the products by both agencies is either expressed or implied.

SafesITe PIV TPC DL FIPS GX4 with SafesITe FIPS 201 Applet v1.20 by Gemalto (Hardware Version: A1005291 - CHIP.P5CD144.MPH051B; Firmware Version: GX4-FIPS El08, Applet Version: SafesITe FIPS 201 Applet v1.20; Hardware) (PIV Card Application: Cert. #13)

and tested by the Cryptographic Module Testing accredited laboratory: is as follows:		Atlan Laboratories, NVLAP Lab Code 200492-0 CRYPTIK Version 7.0	
13 43 10110W3.			
Cryptographic Module Specification:	Level 2	Cryptographic Module Ports and Interfaces:	Level 2
Roles, Services, and Authentication:	Level 3	Finite State Model:	Level 2
Physical Security: (Single Chip) EMI/EMC:	Level 3	Cryptographic Key Management:	Level 2
	Level 3	Self-Tests:	Level 2
Design Assurance:	Level 3	Mitigation of Other Attacks:	Level 2
Operational Environment:	Level N/A	tested in the following configuration(s): N/A	
The following FIPS approved Cryptograp	Triple	(Cert. #782); RNG (Cert. #450); RSA (Cert. #372); SH e-DES MAC (Triple-DES Cert. #678, vendor affirmed) e-DES (Cert. #678)	
The cryptographic module also contains	the following non-FIPS approve	ed algorithms: N/A	
	Overall Level	Achieved: 2	
Signed on behalf of the Government of the United States		Signed on behalf of the Government of Canada	
Signature: William Charker Detail: 3 tolver 15 3 4 8		Signature: Company Dated: Oct. 8, 2468	
Dated: 00000 15,20	<i>U U</i>		
Chief, Computer Security Division National Institute of Standards and Technology		Director, Industry Program Group Communications Security Establishment Canada	



The National Institute of Standards and Technology of the United States of America





The Communications Security
Establishment of the Government
of Canada

Certificate No. 1045

The National Institute of Standards and Technology, as the United States FIPS 140-2 Cryptographic Module Validation Authority; and the Communications Security Establishment, as the Canadian FIPS 140-2 Cryptographic Module Validation Authority; hereby validate the FIPS 140-2 testing results of the Cryptographic Module identified as:

HiPKI SafGuard 1000 HSM by Chunghwa Telecom Co., Ltd. Telecommunication Laboratories

in accordance with the Derived Test Requirements for FIPS 140-2, Security Requirements for Cryptographic Modules. FIPS 140-2 specifies the security requirements that are to be satisfied by a cryptographic module utilized within a security system protecting Sensitive Information (United States) or Protected Information (Canada) within computer and telecommunications systems (including voice systems).

Products which use the above identified cryptographic module may be labeled as complying with the requirements of FIPS 140-2 so long as the product, throughout its life cycle, continues to use the validated version of the cryptographic module as specified in this certificate. The validation report contains additional details concerning test results. No reliability test has been performed and no warranty of the products by both agencies is either expressed or implied.

HiPKI SafGuard 1000 HSM by Chunghwa Telecom Co., Ltd. Telecommunication Laboratories (Hardware Version: HSM-HW-10; Firmware Version: HSM-SW-T8051.10; Hardware)

and tested by the Cryptographic Module Testing accredited laboratory:		DOMUS IT Security Laboratory, NVLAP Lab Code 200017-0 CRYPTIK Version 7.0		
is as follows:				
Cryptographic Module Specification:	Level 3	Cryptographic Module Ports and Interfaces:	Level 3	
Roles, Services, and Authentication:	Level 3	Finite State Model:	Level 3	
Physical Security: (Multi-Chip Standalone) EMI/EMC:	Level 3	Cryptographic Key Management:	Level 3	
	Level 3	Self-Tests:	Level 3	
Design Assurance:	Level 3	Mitigation of Other Attacks:	Level N/A	
Operational Environment:	Level N/A	tested in the following configuration(s): N/A		
The following FIPS approved Cryptographic		DES (Cert. #668); AES (Cert. #763); SHS (Cert. #770) Cert. #439); Triple-DES MAC (Triple-DES Cert. #668,		
The cryptographic module also contains the	following non-FIPS approved	d algorithms: N/A		
	Overall Level	Achieved: 3		
Signed on behalf of the Government of the U	Jnited States	Signed on behalf of the Government of Canada		
Signature: Milliam C.Bark		Signature:		
Dated: <u>October</u> 16, 2008		Dated: OCtober 9, aug 8		
Chief, Computer Security Division National Institute of Standards and Technology		Director, Industry Program Group Communications Security Establishment Canada		