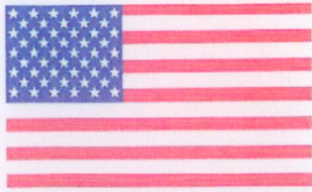
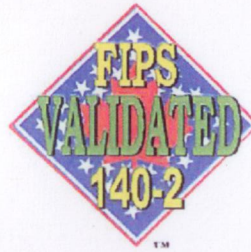


FIPS 140-2 Consolidated Validation Certificate



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



The Communications Security Establishment of the Government of Canada

Consolidated Certificate No. 0045

The National Institute of Standards and Technology, as the United States FIPS 140-2 Cryptographic Module Validation Authority; and the Communications Security Establishment Canada, as the Canadian FIPS 140-2 Cryptographic Module Validation Authority; hereby validate the FIPS 140-2 testing results of the cryptographic modules listed below 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 a cryptographic module identified below 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 consolidated 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.

FIPS 140-2 provides four increasing, qualitative levels of security: Level 1, Level 2, Level 3, and Level 4. These levels are intended to cover the wide range and potential applications and environments in which cryptographic modules may be employed. The security requirements cover eleven areas related to the secure design and implementation of a cryptographic module.

The scope of conformance achieved by the cryptographic modules as tested are identified and listed on the Cryptographic Module Validation Program website. The website listing is the official list of validated cryptographic modules. Each validation entry corresponds to a uniquely assigned certificate number. Associated with each certificate number is the module name(s), module versioning information, applicable caveats, module type, date of initial validation and applicable revisions, Overall Level, individual Levels if different than the Overall Level, FIPS-approved and other algorithms, vendor contact information, a vendor provided description and the accredited Cryptographic Module Testing laboratory which performed the testing.

Signed on behalf of the Government of the United States

Signature: Michael J. Cooper
Dated: 10/3/2014

Chief, Computer Security Division
National Institute of Standards and Technology

Signed on behalf of the Government of Canada

Signature: [Signature]
Dated: October 3rd, 2014

Director, Architecture and Technology Assurance
Communications Security Establishment Canada

TM A Certification Mark of NIST, which does not imply product endorsement by NIST, the U.S. or Canadian Governments

Certificate Number	Validation / Posting Date	Module Name(s)	Vendor Name	Version Information
2217	09/08/2014	RSA BSAFE® Crypto-C Micro Edition	RSA, The Security Division of EMC	Hardware Version: SPARC T4 P/N 527-1437-01; Software Version: 4.0.1
2232	09/05/2014	Hitachi Unified Storage Encryption Module	Hitachi, Ltd.	Hardware Version: DW-F700-BS6GE; Firmware Version: 02.09.22.00
2233	09/05/2014	McAfee Email Gateway L1	McAfee, Inc.	Hardware Versions: EMG-5500-B, EMG-5000-B, EMG-4500-B, EMG-4000-B, EWS-3400-B, EWS-3300-B, EWS-3200-B, EWS-3100-B and HP Proliant BL460c Gen6 Blade Server (Model: 595729-L21); Firmware Version: 7.0.1
2234	09/05/2014	McAfee Email Gateway L2	McAfee, Inc.	Hardware Versions: EMG-5500-C and EMG-5000-C; Firmware Version: 7.0.1
2236	09/08/2014	McAfee Firewall Enterprise 1100F, 2150F and 4150F	McAfee, Inc.	Hardware Versions: (NSA-1100-FWEX-F, NSA-2150-FWEX-F and NSA-4150-FWEX-F) with FRU-686-0089-00; Firmware Version: 8.3.2 with patch number 8.3.2E14
2237	09/08/2014	McAfee Firewall Enterprise S1104, S2008, S3008, S4016, S5032 and S6032	McAfee, Inc.	Hardware Versions: (FEW-S1104, FEW-S2008, FEW-S3008, FEW-S4016, FEW-S5032 and FEW-S6032) with FRU-686-0089-00; Firmware Version: 8.3.2 with patch number 8.3.2E14
2238	09/08/2014	McAfee Firewall Enterprise Virtual Appliance for VMware	McAfee, Inc.	Software Version: 8.3.2 with patch number 8.3.2E14

Certificate Number	Validation / Posting Date	Module Name(s)	Vendor Name	Version Information
2240	09/08/2014	PA-200, PA-500, PA-2000 Series, PA-3000 Series, PA-4000 Series and PA-5000 Series Firewalls	Palo Alto Networks	Hardware Versions: PA-200 P/N 910-000015-00E Rev. E [1], PA-500 P/N 910-000006-00O Rev. O [2], PA-500-2GB P/N 910-000094-00O Rev. O [2], PA-2020 P/N 910-000004-00Z Rev. Z [3], PA-2050 P/N 910-000003-00Z Rev. Z [3], PA-3020 P/N 910-000017-00J Rev. J [4], PA-3050 P/N 910-000016-00J Rev. J [4], PA-4020 P/N 910-000002-00AB Rev. AB [5], PA-4050 P/N 910-000001-00AB Rev. AB [5], PA-4060 P/N 910-000005-00S Rev. S [5], PA-5020 P/N 910-000010-00F Rev. F [6], PA-5050 P/N 910-000009-00F Rev. F [6] and PA-5060 P/N 910-000008-00F Rev. F [6]; FIPS Kit P/Ns: 920-000084-00A Rev. A [1], 920-000005-00A Rev. A [2], 920-000004-00A Rev. A [3], 920-000081-00A Rev. A [4], 920-000003-00A Rev. A [5] and 920-000037-00A Rev. A [6]; Firmware Version: 5.0.11
2241	09/10/2014	Cisco 5915 and 5940 Embedded Services Routers	Cisco Systems, Inc.	Hardware Versions: Cisco 5915 ESR air-cooled card, Cisco 5915 ESR conduction-cooled card, Cisco 5940 ESR air-cooled card and Cisco 5940 ESR conduction-cooled card; Firmware Version: 15.2(4)GC
2242	09/10/2014	X-ES XPedite5205 with Cisco IOS	Cisco Systems, Inc.	Hardware Versions: X-ES XPedite5205 air-cooled card and X-ES XPedite5205 conduction-cooled card; Firmware Version: 15.2(4)GC
2243	09/10/2014	GoldKey Security Token Cryptographic Module	WideBand Corporation	Hardware Version: IC USB-CONTROLLER-2LF; Firmware Version: 7.13
2244	09/10/2014	Cisco 5921 Embedded Services Router (ESR)	Cisco Systems, Inc.	Software Version: 15.2(4)GC

Certificate Number	Validation / Posting Date	Module Name(s)	Vendor Name	Version Information
2245	09/10/2014	Subscriber Encryption Module	EFJohnson Technologies	Hardware Version: R023-5000-980; Firmware Version: 5.28
2246	09/12/2014	Cisco ASA Service Module (SM)	Cisco Systems, Inc.	Hardware Version: WS-SVC-ASA-SM1-K9; Firmware Version: 9.1.2
2247	09/15/2014	NXP JCOP 2.4.2 R3	NXP Semiconductors	Hardware Versions: P/Ns P5CC081 V1A, P5CD081 V1A, P5CD081 V1D, P5CC145 V0B and P5CD145 V0B; Firmware Version: JCOP 2.4.2 R3 Mask ID 64 and patchID 1 with Demonstration Applet v1.1
2248	09/19/2014	Accellion Cryptographic Module	Accellion, Inc.	Software Version: FTALIB_3_0_1
2249	09/22/2014	Comtech Mobile Datacom Corporation Cryptographic Library (libcmscrypto)	Comtech Mobile Datacom Corporation	Software Version: 1.2
2250	09/22/2014	Key Variable Loader (KVL) 4000 PIKE2	Motorola Solutions, Inc.	Hardware Version: P/N 51009397004; Firmware Version: R02.03.07
2251	09/22/2014	Key Variable Loader (KVL) 4000 PIKE2	Motorola Solutions, Inc.	Hardware Version: P/N 51009397004; Firmware Version: R02.03.07
2252	09/22/2014	Nexus 7700 Series Switches	Cisco Systems, Inc.	Hardware Versions: Chassis: N7K-C7710 and N7K-C7718; Supervisor Card: N77-SUP2E; Fabric Cards: N77-C7710-FAB-2 and N77-C7718-FAB-2; Line Card: N77-F248XP-23E; Firmware Version: 6.2.2a

Certificate Number	Validation / Posting Date	Module Name(s)	Vendor Name	Version Information
2253	09/22/2014	Nexus 7000 Series Switches	Cisco Systems, Inc.	Hardware Versions: Chassis: N7K-C7004, N7K-C7009, N7K-C7010 and N7K-C7018; Supervisor Cards: N7K-SUP1, N7K-SUP2 and N7K-SUP2E; Fabric Cards: N7K-C7009-FAB-2, N7K-C7010-FAB-1, N7K-C7010-FAB-2, N7K-C7018-FAB-1 and N7K-C7018-FAB-2; Line Cards: N7K-M148GS-11L, N7K-M148GT-11L, N7K-M108X2-12L, N7K-M132XP-12, N7K-F132XP-15, N7K-M202CF-22L, N7K-M206FQ-23L, N7K-M224XP-23L, N7K-F248XP-25E and N7K-F248XT-25E; Firmware Version: 6.2.2a
2254	09/22/2014	Oracle StorageTek T10000D Tape Drive	Oracle Corporation	Hardware Version: P/N 7042136; Firmware Version: 4.07.107
2255	09/22/2014	Secure Web Gateway Virtual Appliance-V100	Blue Coat Systems, Inc.	Software Version: 6.5.2.8
2256	09/22/2014	ProxySG S400-20 [1], S400-30 [2] and S400-40 [3]	Blue Coat Systems, Inc.	Hardware Versions: 080-03568 [1], 080-03570 [1], 090-03075 [1], 080-03571 [1], 090-03076 [1], 080-03572 [2], 080-03574 [2], 090-03079 [2], 080-03575 [2], 090-03080 [2], 080-03576 [3], 080-03578 [3], 090-03083 [3], 080-03579 [3], 090-03084 [3] with FIPS Security Kit (Part Number: 085-02891); Firmware Version: 6.5.2.9 build 144008
2257	09/22/2014	ProxySG S500-10 [1] and S500-20 [2]	Blue Coat Systems, Inc.	Hardware Versions: 080-03549 [1], 080-03551 [1], 090-02998 [1], 080-03552 [1], 090-02999 [1], 080-03553 [2], 080-03555 [2], 090-03000 [2], 080-03556 [2], 090-03001 [2] with FIPS Security Kit (Part Number: 085-02870); Firmware Version: 6.5.2.9 build 144008

Certificate Number	Validation / Posting Date	Module Name(s)	Vendor Name	Version Information
2258	09/23/2014	CS Series Encryptors	Senetas Corporation Ltd. and SafeNet Inc.	Hardware Versions: CS10 Ethernet Encryptor: A4201B [O] and A4201B [Y]; CS100 Ethernet Encryptor: A4203B [O] and A4203B [Y]; Firmware Version: 2.3.0
2259	09/26/2014	NITROX XL 1600-NFBE HSM Family	Cavium Networks	Hardware Version: P/N FN1620-NFBE2-G; Firmware Version: CN16XX-NFBE-FW-2.1-110018
2260	09/30/2014	Fusion Wireless LAN Cryptographic Module for Android	Motorola Solutions, Inc.	Hardware Version: WL1283CYFVR (Rev C); Software Version: 1.02; Firmware Version: 1.01