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M014 Maintenance Report

File name: ISCB-5-RPT-M014-AMR-v1
Version: v1
Date of document: 16 April 2020
Document classification: PUBLIC

Malaysian Common Criteria Evaluation & Certification Scheme™

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please email: mycc@cybersecurity.my

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CyberSecurity Malaysia
(726630-U)

Best Brand Internet Security 2008 & 2009

MS ISO/IEC 17021: 2011
ISMS 02082013 CB 02

MSC Malaysia Status Company

Best Child Online Protection Website

T +603 8800 7999
F +603 8008 7000
H 1 300 88 2999

Corporate Office:
Level 7, Tower 1
Menara Cyber Axis
Jalan Impact
63000 Cyberjaya
Selangor Darul Ehsan
Malaysia.

www.cybersecurity.my

M014 Maintenance Report

23 April 2020

ISCB Department

CyberSecurity Malaysia

Level 7, Tower 1,
Menara Cyber Axis,
Jalan Impact, 63000 Cyberjaya,
Selangor, Malaysia
Tel: +603 8800 7999 | Fax: +603 8008 7000
http://www.cybersecurity.my

Document Authorisation

DOCUMENT TITLE:	M014 Maintenance Report
DOCUMENT REFERENCE:	ISCB-5-RPT-M014-AMR-v1
ISSUE:	v1
DATE:	23 April 2020
DISTRIBUTION:	UNCONTROLLED COPY - FOR UNLIMITED USE AND DISTRIBUTION

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Level 7, Tower 1,
Menara Cyber Axis,
Jalan Impact, 63000 Cyberjaya,
Selangor, Malaysia

Registered in Malaysia – Company Limited by Guarantee

Company No. 726630-U

Printed in Malaysia

Document Change Log

RELEASE	DATE	PAGES AFFECTED	REMARKS/CHANGE REFERENCE
D1	16 April 2020	All	Initial draft
V1	23 April 2020	All	Final version

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1 Introduction

1 The TOE is Trend Micro TippingPoint Security Management System (TippingPoint SMS) v5.3.0. It is a server-based solution that can act as the control center for managing large-scale deployments of TippingPoint Threat Protection System (TPS) and Intrusion Prevention System (IPS) products. TippingPoint SMS can communicate threat data with TippingPoint Deep Discovery products.

2 The TOE is available as a rack-mountable hardware appliance or as a software-based product (vSMS) that operates in a virtual environment. The main components of the TOE are:

- SMS Server – provisioned as a rack-mountable appliance or as virtual server (vSMS).
- SMS Client – a Java-based application for Windows, Linux or Mac workstations.

3 The purpose of this document is to enable developers to provide assured products to the IT consumer community in a timely and efficient manner against the certified and updated version of TOE as in Table 1 identification below.

Table 1 – Identification Information

Assurance Maintenance Identifier	M014
Project Identifier	C097
Evaluation Scheme	Malaysian Common Criteria Evaluation and Certification (MyCC) Scheme
Impact Analysis Report	Trend Micro TippingPoint Security Management System v5.3.0 Impact Assessment Report
New TOE	Trend Micro TippingPoint Security Management System v5.3.0
Certified TOE	Trend Micro TippingPoint Security Management System v5.2.0
New Security Target	Trend Micro TippingPoint Security Management System Security Target, version 1.1, 18 March 2020
Evaluation Level	EAL2
Evaluation Technical Report (ETR)	Evaluation Technical Report – Trend Micro TippingPoint Security Management System V5.1.0 EAU000426.07-S046-ETR 1.0, 10 September 2018
Previous Impact Analysis Report (IAR)	Impact Analysis Report – Trend Micro TippingPoint Security Management System V5.2, 31 October 2019 (BA0005408-IAR 1.1)
Criteria	Common Criteria for Information Technology Security Evaluation Part 2: Security Functional Components, April 2017, Version 3.1, Revision 5

	Common Criteria for Information Technology Security Evaluation Part 3: Security Assurance Components, April 2017, Version 3.1, Revision 5
Methodology	Common Evaluation Methodology for Information Technology Security Evaluation, April 2017, Version 3.1 Revision 5
Common Criteria Conformance	CC Part 2 Conformant CC Part 3 Conformant Package conformant to EAL2
Protection Profile Conformance	None
Sponsor	Leidos Inc. 6841 Benjamin Franklin Drive, Columbia, Maryland 21046 USA
Developer	Trend Micro Incorporated 11305 Alterra Parkway, Austin, Texas 78758 USA
Evaluation Facility	BAE Systems Applied Intelligence Malaysia - MySEF

2 Description of Changes

4 Trend Micro Incorporated has issued a new release of the TippingPoint SMS version 5.3.0. There were a series of minor updates to the TippingPoint SMS since its certification version 5.2.0 in November 2019.

2.1 Changes to the product associated with the certified TOE

5 The following features have been added in Trend Micro TippingPoint Security Management System version 5.3.0 as below:

Table 2 – General changes/additions

Version	Description of Changes	Rationale	Impact
Trend Micro TippingPoint Security Management System 5.3	• The Filters for Review interface of the SMS web management console provides operational, security, and performance contexts so users can make strategic changes to their security policy according to filter factors relevant to the policy. • Performance management features of the SMS web management console's Filters for Review interface are supported only on TPS and vTPS devices running TOS v5.3 or later. • With the Server Name Indication (SNI) protocol extension, the SMS can now accept multiple certificates and keys from a single SSL server. This enables the server to safely host multiple TLS/SSL certificates (up to 1000 per device) for multiple sites under a single IP. • The SMS now supports TLSv1.2 in FIPS mode for the following: ○ SMS Client communication (ports 9003 and 10042) ○ TMC connections ○ Device connections ○ LDAP connections • The number of supported ciphers for SSL inspection has increased from 11 to 14. The following three cipher suites are now supported: ○ TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384	The updates do not affect the Security Functional Requirements of the TOE.	CB consider it as **Minor**

Version	Description of Changes	Rationale	Impact
	o TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 o TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 • The SMS database has increased its maximum entries for the following statistics: o Historical Port Traffic Stats to 150 million o Device Traffic Data to 40 million • The SMS now sends an SNMP trap to the network management console with information on which profile, DV, or other object had a distribution failure. • Scheduled SMS database backups to an external NFS system no longer fail intermittently. • Enterprise Vulnerability Remediation (eVR) scans now support non-ASCII characters in filenames. • Profile distributions no longer fail when a DNS exception conflicts with a URL exception that has been removed. • SSL inspection active session information has been removed from both the SMS and LSM. • Performance issues and dropped packets occurring repeatedly after distributing profile updates has been addressed in this release. • Quarantine exceptions no longer fail if they are also named resources. • The documentation has been updated to clarify that users with Administrative privileges can view and clear the audit logs for TPS devices. • Issue that encumbered SMS logins has been resolved. • Recurring DV and profile distribution schedules and history now include a time zone so the time displayed is unambiguous. The time zone displayed matches the SMS client.		

Version	Description of Changes	Rationale	Impact
	• The TPS and SMS interfaces no longer permit hostnames to include periods (.). Hostnames can consist only of alpha-numeric characters and hyphens, and cannot exceed 63 characters or have a hyphen at the beginning or end. • Two additional appliances are added in the TOE v5.3: ○ TippingPoint Security Management System H4 Appliance (TPNN0334) ○ TippingPoint Security Management System H4 XL Appliance (TPNN0335)		

2.2 Changes to the SFRs claimed in the ST

6 There are no changes affecting Security Functional Requirements (SFRs) in the ST Ref ([4]).

3 Affected Developer Evidence

7 The affected developer evidence submitted for the assurance continuity required by the CCRA Assurance Continuity: CCRA Requirements Version 2.1 (2012-06-01) June 2012 (Ref [10]) are as below:

Table 3 – Affected Developer Evidence

Evidence	Description of Changes	Rationale	Impact
Trend Micro TippingPoint Security Management System Security Target, Version 1.1, 18 March 2020	• The ST version and document date have been updated. • TOE reference has been updated to reflect the change in TOE version from the developer. • Section 2.1 has been updated to add Smart Protection Network (SPN) service which is a repository that collects global security intelligence from all Trend Micro security products. SPN compiles a list of the top threats and, in conjunction with Digital Vaccine information, it refines the list further so users can align their profile strategies to their most relevant threats. The TMC distributes this list of recommended threats. The SPN component/service is external to the SMS. Information generated by SPN is provided to the SMS Client GUI via the TMC service. • Section 2.3.1 has been updated to include two additional SMS Server hardware appliances which are SMS H4 and SMS H4 XL appliance. • Section 2.5 has been updated to the latest document version and date.	No changes have been made to the SFRs or functionality that was included in the scope of the previous evaluation.	CB consider it as **Minor**
Trend Micro TippingPoint Security Management System Design Documentation, Version 1.0,	• The ST reference version and document date have been updated. • The design documentation version and date have been updated.	No changes have been made to the SFRs or functionality that was included in	CB consider it as **Minor**

Evidence	Description of Changes	Rationale	Impact
18 March 2020	• TOE reference has been updated to reflect the change in TOE version from the developer. • Sections 1, 2.4, and 3.2.1 have been updated to add SMS H4 and SMS H4 XL appliance. • Section 2.4 has been updated to include VMware vSphere Client version 6.7 and VMware ESX/ESXi version 6.7 as the operational environment supported for vSMS platform. • Sections 5.1 and 5.2 have been updated to the latest document version and date.	the scope of the original evaluation.	
Trend Micro TippingPoint Security Management System Configuration Management Documentation, Version 1.1, 18 March 2020	• The ST reference version and document date have been updated. • The configuration management documentation version and date have been updated. • TOE reference has been updated to reflect the change in TOE version from the developer. • Sections 1.2, 2.1, and 3 have been updated to add SMS H4 appliance and SMS H4 XL appliance as SMS Server hardware appliance.	No changes have been made to the SFRs or functionality that was included in the scope of the original evaluation.	CB consider it as **Minor**

4 Result of Analysis

8 The outcome of the review found that none of the modifications significantly affect the security mechanisms that implement the functional requirements of the Security Target (Ref [4]) as required in accordance of Assurance Continuity: CCRA Requirements version 2.1 (Ref [10]).

9 The nature of the changes leads to the conclusion that they are classified as minor changes. Therefore, it is agreed based on the evidences given that the assurance is maintained for this version of the product.

Annex A References

[1] Trend Micro TippingPoint Security Management System V5.3 Impact Assessment Report (IAR), EAU000867-IAR 1.1, Version 1.1, 16 April 2020

[2] Trend Micro TippingPoint Security Management System Release Notes, Version 5.3

[3] Trend Micro TippingPoint Security Management System v 5.2.0 Security Target, Version 1.0, 7 October 2019

[4] Trend Micro TippingPoint Security Management System Security Target v5.3.0, Version 1.1, 18 March 2020

[5] Trend Micro TippingPoint Security Management System Configuration Management Documentation, Version 1.1, 18 March 2020

[6] Trend Micro TippingPoint Security Management System (SMS) User Guide, 5.3.0, November 2019

[7] Trend Micro TippingPoint Security Management System (SMS) Web API Guide, 5.3.0, November 2019

[8] Trend Micro TippingPoint Virtual Security Management System (vSMS) User Guide, 5.3.0, November 2019

[9] TippingPoint Security Management System (SMS) Command Line Interface Reference, 5.3.0, November 2019

[10] Assurance Continuity: CCRA Requirements Version 2.1, June 2012

[11] Arrangement on the Recognition of Common Criteria Certificates in the field of Information Technology Security, July 2014

[12] Common Criteria for Information Technology Security Evaluation, Version 3.1, Revision 5, April 2017

[13] Common Evaluation Methodology for Information Technology Security Evaluation, Version 3.1, Revision 5, April 2017

[14] MyCC Scheme Requirement (MYCC_REQ-V1), 2 December 2019

[15] ISCB Evaluation Facility Manual (ISCB_EFM-V2), 2 December 2019

[16] Trend Micro TippingPoint Security Management System V5.1.0 Evaluation Technical Report, EAU000426.07-S046-ETR, Version 1.0, 10 September 2018

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