



Australian Government
Department of Defence

Australasian Information Security Evaluation Program

Maintenance Report

Supplementing Certification Report 2008/46

21 May 2010

Version 1.0

Commonwealth of Australia 2010.

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Amendment Record

Version	Date	Description
1.0	21/05/2010	Public release.

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Chapter 1 - Introduction

1.1 Purpose

- 1 This document is an addendum to the Certification Report (Ref [1]) that describes the relevant baseline evaluation of Senetas CypherNET Multi-Protocol Encryptor v2.0.0.
- 2 The purpose of this maintenance report is to describe the status of assurance continuity activities undertaken by Senetas Security Pty Ltd for the Senetas CypherNET Multi-Protocol Encryptor hence known as the Senetas CypherNET Multi-Protocol Encryptor v2.0.0 against the requirements contained in Assurance Continuity: CCRA Requirements (Ref [2]).
- 3 Senetas Security Pty Ltd provided information about their assurance continuity activities in the form of an Impact Analysis Report (IAR). The IAR (Ref [3]) lists the changes made to the certified TOE, the evidence updated as a result of the changes and the security impact of the changes.
- 4 This report should be read in conjunction with
 - a) The certified TOE's Certification Report (Ref [1]).
 - b) The certified TOE's Security Target (Ref [4]) which provides a full description of the security requirements and specifications that were used as the basis of the baseline evaluation.

1.2 Identification

- 5 Table 1 provides identification details for the maintained TOE and the certified TOE.

Table 1: Identification Information

Item	Identifier
Evaluation Scheme	Australasian Information Security Evaluation Program (AISEP)
Maintained TOE	Senetas CypherNET Multi-Protocol Encryptor v2.0.0 – CypherNet SONET OC-3/12/48/192, ATM and Link CypherNET Application Software v.2.0.0.
Developer	Senetas Security Pty Ltd
Certified TOE	Senetas CypherNET Multi-Protocol Encryptor
Security Target	Security Target for Senetas CypherNET Multi-Protocol Encryptor Version 1.18
Evaluation Level	EAL 4
Certificate Number	2008/46

Chapter 2 - IAR Summary

2.1 Description of Changes

6 The Impact Analysis Report (IAR) indicated that the following changes have been made:

- a) The software has been changed to:
 - SONET – CypherNET Application Software version 2.0.0
 - ATM – CypherNET Application Software version 2.0.0
 - Link – CypherNET Application Software version 2.0.0

These were evaluated in Senetas Encryptor Range TOE comprising CypherNET Ethernet Encryptor (2.0.0), CypherNET Fibre Channel Encryptor (2.0.0), CypherStream Ethernet Encryptor (1.0.6) and CypherManager(6.5.0).

- b) The end of life of some components has resulted in the certified TOE encryptors having to use an upgraded motherboard (B2010A004/5) which was evaluated in the Senetas Encryptor Range. The motherboard changes are not directly responsible for any security functions;
- c) The numbering of some components has been updated (Ref[A.3]; and
- d) The interface code has been modified to accommodate the changes. This was certified in Senetas Encryptor Range evaluation.

2.2 Documentation Updated.

7 The affected developer evidence was:

- a) Common CypherNet library code;
- b) ATM specific code;
- c) E1 TDM specific code;
- d) USI (X21/RS232 Link) specific code; and

This was certified in the Senetas Encryptor Range evaluation.

Chapter 3 - Assurance Continuity

3.1 Assurance Continuity Result

8 After consideration of the IAR provided by Senetas Security Pty Ltd, the Australasian Certification Authority (ACA) has determined that the proposed changes are minor.

9 The ACA agrees that the resultant change in the TOE can be classified as minor and that certificate maintenance is the correct path to continuity of assurance. The ACA agrees that the original assurance result is maintained for Senetas CypherNET Multi-Protocol Encryptor v2.0.0.

References and Abbreviations

A.1 References

- [1] Certification Report 2008/46, Australasian Certification Authority.
- [2] Assurance Continuity: CCRA requirements, Common Criteria Interpretation Management Board, CCIMB-2004-02-009, version 1.0, February 2004.
- [3] Impact analysis report for Senetas CypherNET Multi-Protocol Encryptor version 1.0, August 2009
- [4] Security Target for Senetas CypherNET Multi-Protocol Encryptor version 1.18

A.2 Abbreviations

ACA	Australasian Certification Authority
AISEP	Australasian Information Security Evaluation Program
CC	Common Criteria
CCRA	Common Criteria Recognition Arrangement
DSD	Defence Signals Directorate
EAL	Evaluation Assurance Level
IAR	Impact Analysis Report
TOE	Target Of Evaluation

A.3 Appendix 1

Cyphernet AC Models		
Certified ID	Changed ID	Description (Old/New)
A2111B001	A5101B	CYPHERNET ATM E1 AC Unit E1 (BNC) – ATM (2072 Module)
A2113B001	A5103B A5107B	CYPHERNET ATM E1/T1 AC Unit E1 (RJ-45) – ATM (2072 Module) T1 (RJ-45) – ATM (2072 Module)
A2115B001	A5105B A5109B	CYPHERNET ATM E3/T3 AC Unit ATM E3 AC Unit ATM T3 AC Unit
A2121B001	A5119B	CYPHERNET ATM OC3 Single Mode 15KM AC Unit
A2123B001	A5121B	CYPHERNET ATM OC3 Single Mode 40KM AC Unit
A2125B001	A5115B	CYPHERNET ATM OC3 Multi-Mode 2KM AC Unit
A2127B001	A5117B	CYPHERNET ATM OC3 Single Mode 15KM & Single Mode 40KM AC Unit
A2129B001	A5111B	CYPHERNET ATM OC3 Multi-Mode 2KM & Single Mode 15KM AC Unit
A2109B001	A5113B	CYPHERNET ATM OC3 Multi-Mode 2KM & Single Mode 40KM AC Unit
A2117B001	A5125B	CYPHERNET ATM OC12 Single Mode 15KM AC Unit
A2119B001	A5127B	CYPHERNET ATM OC12 Single Mode 40KM AC Unit
A2107B001	A5123B	CYPHERNET ATM OC12 Single Mode 15KM & Single Mode 40KM AC Unit
A2131B001	A5151B A5153B	CYPHERNET LINK E1 AC Unit E1 – Link (2010 Module) T1 – Link (2010 Module)
A2133B001	A2133B001	CYPHERNET LINK X.21/V.11 AC Unit
A2141B001	A5161B A5163B A5165B	CYPHERNET SONET OC3/OC12/OC48 AC Unit OC-3/STM1 – SONET/SDH OC-12/STM4 – SONET/SDH OC-48/STM16 – SONET/SDH

<i>Cyphernet DC Models</i>		
Certified ID	Changed ID	Description
A2112B001	No Change	CYPHERNET ATM E1 DC Unit
A2114B001	No Change	CYPHERNET ATM E1/T1 DC Unit
A2116B001	No Change	CYPHERNET ATM E3/T3 DC Unit
A2122B001	No Change	CYPHERNET ATM OC3 Single Mode 15KM DC Unit
A2124B001	No Change	CYPHERNET ATM OC3 Single Mode 40KM DC Unit
A2126B001	No Change	CYPHERNET ATM OC3 Multi-Mode 2KM DC Unit
A2128B001	No Change	CYPHERNET ATM OC3 Single Mode 15KM & Single Mode 40KM DC Unit
A2130B001	No Change	CYPHERNET ATM OC3 Multi-Mode 2KM & Single Mode 15KM DC Unit
A2110B001	No Change	CYPHERNET ATM OC3 Multi-Mode 2KM & Single Mode 40KM DC Unit
A2118B001	No Change	CYPHERNET ATM OC12 Single Mode 15KM DC Unit
A2120B001	No Change	CYPHERNET ATM OC12 Single Mode 40KM DC Unit
A2108B001	No Change	CYPHERNET ATM OC12 Single Mode 15KM & Single Mode 40KM DC Unit
A2132B001	No Change	CYPHERNET LINK E1 DC Unit
A2134B001	No Change	CYPHERNET LINK X.21/V.11 DC Unit
A2142B001	No Change	CYPHERNET SONET OC3/OC12/OC48 DC Unit
A2201B001	A5211B	CYPHERNET SONET OC192 DC Unit