CANADIAN CENTRE FOR CYBER SECURITY

COMMON CRITERIA MAINTENANCE REPORT

Senetas CN 4000/6000 Series Ethernet Encryptors v5.5.1 - Build: 31701

24 June 2025

606-LSS

v1.0

Canada

FOREWORD

This Maintenance Report is an UNCLASSIFIED publication, issued under the authority of the Chief, Communications Security Establishment (CSE).

The IT product identified in this report has been previously evaluated at an approved Common Criteria testing lab established under the Canadian Common Criteria program using the Common Methodology for IT Security Evaluation, Version 3.1 Revision 5, for conformance to the Common Criteria for IT Security Evaluation, Version 3.1 Revision 5.

This report is not an endorsement of the IT product by the Canadian Centre for Cyber Security, and no warranty of the IT product by the Canadian Centre for Cyber Security is expressed or implied.

If your organization has identified a requirement for this maintenance report based on business needs and would like more detailed information, please contact:

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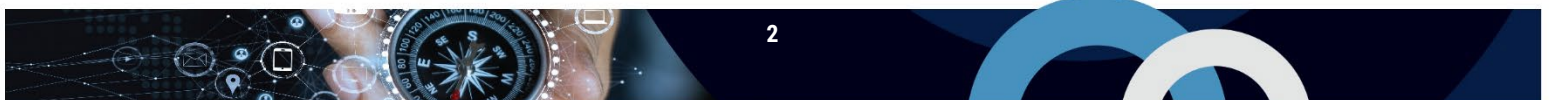
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1   INTRODUCTION

An Impact Analysis Report was submitted to the Canadian Common Criteria program to extend the validity of the Common Criteria certificate previously awarded to **Senetas CN 4000/6000 Series Ethernet Encryptors v5.5.0 - Build: 31224** from **Senetas Corporation Ltd., distributed by Thales SA (Safenet)**

The process to achieve this under mutual recognition is described in <u>Assurance Continuity: CCRA Requirements</u>, version 3.0, March 2023. In accordance with the requirements of this process, the Impact Analysis Report describes all changes made to the product and/or its IT environment, all resulting changes made to the evaluation evidence, and the security impact of the changes.

The purpose of this document is to summarize and present the Canadian Common Criteria program's findings regarding the assurance maintenance of **Senetas CN 4000/6000 Series Ethernet Encryptors v5.5.1 - Build: 31701**, hereafter referred to as the maintained Target of Evaluation or maintained TOE.

2   DESCRIPTION OF CHANGES

The following characterizes the changes implemented in the maintained TOE and/or the environment. For each change, it was verified that there were no required changes to the security functional requirements in the Security Target.

Table 1:   TOE Identification

Original TOE	**Senetas CN 4000/6000 Series Ethernet Encryptors v5.5.0 - Build: 31224**
Maintained TOE	**Senetas CN 4000/6000 Series Ethernet Encryptors v5.5.1 - Build: 31701**
Developer	**Senetas Corporation Ltd., distributed by Thales SA (Safenet)**

2.1   DESCRIPTION OF CHANGES IN THE MAINTAINED TARGET OF EVALUATION

The changes in the maintained TOE comprise the following:

- CN6110 link settings
  - Added help text for linkspeed -s option
  - Modified code to preserve MAX_LINK when protocol changes
- CSDK Image Loading Prevention
  - Added error message when unsupported CSDK files detected.
- Linux Log Rotation Management

2.2   AFFECTED DEVELOPER EVIDENCE

Modifications to the product necessitated changes to the following developer evidence that was previously submitted in support of the original evaluation:

- Security Target
  - Updated TOE & Guidance references.
- Common Criteria Guidance (PRE/OPE)
  - Updated TOE & Guidance references.

3   CONCLUSIONS

Through functional and regression testing of the maintained TOE, assurance gained in the original TOE certification was maintained. As all the changes to the maintained TOE have been classified as minor, it is the conclusion of the CB that the maintained TOE is appropriate for assurance maintenance and re-evaluation is not required.

The assurance maintenance of the TOE has been conducted in accordance with the provisions of the Canadian Common Criteria Scheme and the conclusions are consistent with the evidence adduced. This is not an endorsement of the IT product by the Cyber Centre or by any other organization that recognizes or gives effect to this certificate, and no warranty of the IT product by the Cyber Centre or by any other organization that recognizes or gives effect to this certificate, is expressed or implied.

4 REFERENCES

Reference
Assurance Continuity: CCRA Requirements, V3.0, March 2023
Certification Report Senetas CN 4000/6000 Series Ethernet Encryptors v5.5.0, 25 March 2025, v1.0
Security Target Senetas CN 4000/6000 Series Ethernet Encryptors v5.5.0, 4 March 2025, v1.4
Impact Analysis Report Senetas CN 4000/6000 Series Ethernet Encryptors v5.5.1, 2025-06-24, v1.1