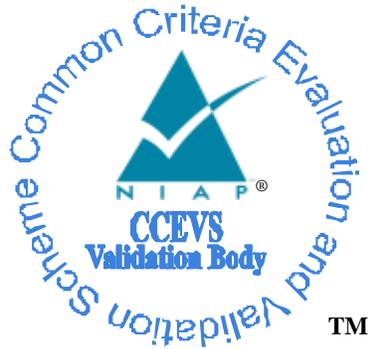


National Information Assurance Partnership
Common Criteria Evaluation and Validation Scheme



Validation Report

for the

**Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version
40404-0E7 and Vertiv CYBEX™ SCKM140PP4 KM Switch
Firmware Version 40404-0E7
Peripheral Sharing Devices
Version 1.0**

Report Number: CCEVS-VR-VID11254-2022

Dated: 01/31/2022

Version: 1.0

**National Institute of Standards and Technology
Information Technology Laboratory
100 Bureau Drive
Gaithersburg, MD 20899**

**Department of Defense
ATTN: NIAP, Suite: 6982
9800 Savage Road
Fort Meade, MD 20755-6982**

ACKNOWLEDGEMENTS

Validation Team

Daniel Faigin: Senior Validator

Chris Thorpe: Lead Validator

Common Criteria Testing Laboratory

Ken Lasoski

Joshua Gola

Acumen Security, LLC

Table of Contents

1	Executive Summary	5
2	Identification	7
3	Architectural Information	9
4	Security Policy	10
4.1	Security Policy for The SCKM140PP4 KM Switch	10
4.1.1	User Data Protection	10
4.1.2	Protection of the TSF	10
4.1.3	TOE Access.....	10
4.2	Security Policy for The SCUSBHIDFILTER	10
4.2.1	User Data Protection	10
4.2.2	Protection of the TSF	10
5	Assumptions, Threats & Clarification of Scope	11
5.1	Assumptions	11
5.2	Threats	12
5.3	Clarification of Scope	13
6	Documentation	14
7	TOE Evaluated Configuration	15
7.1	Evaluated Configuration	15
7.2	Excluded Functionality	16
8	IT Product Testing	17
8.1	Developer Testing	17
8.2	Evaluation Team Independent Testing	17
9	Results of the Evaluation	18
9.1	Evaluation of Security Target	18
9.2	Evaluation of Development Documentation	18
9.3	Evaluation of Guidance Documents	19
9.4	Evaluation of Life Cycle Support Activities	19
9.5	Evaluation of Test Documentation and the Test Activity	19
9.6	Vulnerability Assessment Activity	19
9.7	Summary of Evaluation Results	20
10	Validator Comments & Recommendations	21
11	Annexes	22
12	Security Target	23
13	Glossary	24
14	Bibliography	25

1 Executive Summary

This Validation Report (VR) is intended to assist the end user of this product and any security certification Agent for that end user in determining the suitability of this Information Technology (IT) product for their environment. End users should review the Security Target (ST), which is where specific security claims are made, in conjunction with this VR, which describes how those security claims were tested and evaluated and any restrictions on the evaluated configuration. Prospective users should carefully read the Assumptions and Clarification of Scope in Section 5 and the Validator Comments in Section 10, where any restrictions on the evaluated configuration are highlighted.

This report documents the National Information Assurance Partnership (NIAP) assessment of the evaluation of the Vertiv CYBEX™ SCKM140PP4 KM Switch and SCUSBHIDFILTER Firmware Version 40404-0E7 Peripheral Sharing Devices Target of Evaluation (TOE). It presents the evaluation results, their justifications, and the conformance results. This VR is not an endorsement of the TOE by any agency of the U.S. Government and no warranty of the TOE is either expressed or implied. This VR applies only to the specific version and configuration of the product as evaluated and documented in the ST.

The evaluation was completed by Acumen Security in January 2022. The information in this report is largely derived from the Evaluation Technical Report (ETR) and associated test report, all written by Acumen Security. The evaluation determined that the product is both Common Criteria Part 2 Extended and Part 3 Conformant, and meets the assurance requirements defined in the National Information Assurance Partnership (NIAP) PP-Configuration for Peripheral Sharing Device and Keyboard/Mouse Devices [CFG_PSD-KM_V1.0], which references the Protection Profile for Peripheral Sharing Device Version 4.0 [PP_PSD_V4.0] and the PP-Module for Keyboard/Mouse Devices, Version 1.0.

The Target of Evaluation (TOE) identified in this Validation Report has been evaluated at a NIAP approved Common Criteria Testing Laboratory using the Common Methodology for IT Security Evaluation (Version 3.1, Rev. 5) for conformance to the Common Criteria for IT Security Evaluation (Version 3.1, Rev. 5), as interpreted by the Assurance Activities contained in the PP-Configuration for Peripheral Sharing Device and Keyboard/Mouse Devices which references the Protection Profile for Peripheral Sharing Device Version 4.0 [PP_PSD_V4.0] and the PP-Module for Keyboard/Mouse Devices, Version 1.0. This Validation Report applies only to the specific version of the TOE as evaluated. The evaluation has been conducted in accordance with the provisions of the NIAP Common Criteria Evaluation and Validation Scheme and the conclusions of the testing laboratory in the evaluation technical report are consistent with the evidence provided.

The validation team provided guidance on technical issues and evaluation processes and reviewed the individual work units documented in the ETR and the Assurance Activities Report (AAR). The validation team found that the evaluation showed that the product satisfies all of the functional requirements and assurance requirements stated in the Security Target (ST). Based on these findings, the validation team concludes that the testing laboratory's findings are accurate,

the conclusions justified, and the conformance results are correct. The conclusions of the testing laboratory in the evaluation technical report are consistent with the evidence produced.

2 Identification

The CCEVS is a joint National Security Agency (NSA) and National Institute of Standards and Technology (NIST) effort to establish commercial facilities to perform trusted product evaluations. Under this program, security evaluations are conducted by commercial testing laboratories called Common Criteria Testing Laboratories (CCTLs). CCTLs evaluate products against Protection Profile containing Assurance Activities, which are interpretations of CEM work units specific to the technology described by the PP.

The NIAP Validation Body assigns Validators to monitor the CCTLs to ensure quality and consistency across evaluations. Developers of information technology products desiring a security evaluation contract with a CCTL and pay a fee for their product's evaluation. Upon successful completion of the evaluation, the product is added to NIAP's Product Compliance List.

Table 1 provides information needed to completely identify the product, including:

- The Target of Evaluation (TOE): the fully qualified identifier of the product as evaluated.
- The Security Target (ST), describing the security features, claims, and assurances of the product.
- The conformance result of the evaluation.
- The Protection Profile(s) to which the product is conformant.
- The organizations and individuals participating in the evaluation.

Table 1: Evaluation Identifiers

Item	Identifier
Evaluation Scheme	United States NIAP Common Criteria Evaluation and Validation Scheme
TOE	Vertiv CYBEX™ SCKM140PP4 KM Switch and SCUSBHIDFILTER Firmware Version 40404-0E7 Peripheral Sharing Devices
Protection Profile	PP-Configuration for Peripheral Sharing Device and Keyboard/Mouse Devices, which references the Protection Profile for Peripheral Sharing Device Version 4.0 [PP_PSD_V4.0] and the PP-Module for Keyboard/Mouse Devices, Version 1.0
Security Target	Vertiv CYBEX™ SCKM140PP4 KM Switch Firmware Version 40404-0E7 Security Target, Version: 1.18, January 13, 2021 Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 Security Target, Version: 1.15, January 5, 2021
Evaluation Technical Report	Evaluation Technical Report for Vertiv CYBEX™ SCKM140PP4 KM Switch and Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 Peripheral Sharing Devices, Version 1.1
CC Version	Version 3.1, Revision 5
Conformance Result	CC Part 2 Extended and CC Part 3 Conformant
Sponsor	Vertiv IT Systems
Developer	Vertiv IT Systems

Common Criteria	Acumen Security
Testing Lab (CCTL)	2400 Research Blvd, Rockville MD 20850
CCEVS Validators	Daniel Faigin, Chris Thorpe

3 Architectural Information

The SCKM140PP4 Keyboard, Mouse (KM) switch allows users to share keyboard and mouse peripherals amongst four connected computers.

The Vertiv Secure Universal Serial Bus (USB) Human Interface Device (HID) Filter/Isolator is connected between a computer and a USB keyboard/mouse. It ensures unidirectional flow of data between keyboard and mouse peripheral devices and a secure connected computer.

The evaluated features of the TOE are described further in Section 4.

4 Security Policy

4.1 Security Policy for The SCKM140PP4 KM Switch

The TOE is comprised of several security features. Each of the security features consists of several security functionalities, as identified below:

- User Data Protection
- Protection of the TSF
- TOE Access

These features are described in more detail in the subsections below.

4.1.1 User Data Protection

The TOE enforces unidirectional data flow for keyboard and mouse. The TOE ensures that only authorized peripheral devices may be used. The TOE provides secure switching capabilities for keyboard and mouse.

4.1.2 Protection of the TSF

The TOE ensures a secure state in the case of failure, provides only restricted access, and performs self-testing. The TOE provides both passive detection of physical attack, and active resistance to attack.

4.1.3 TOE Access

The TOE provides a continuous indication of which computer is currently selected.

4.2 Security Policy for the SCUSBHIDFILTER

The TOE is comprised of several security features. Each of the security features consists of several security functionalities, as identified below:

- User Data Protection
- Protection of the TSF

These features are described in more detail in the subsections below.

4.2.1 User Data Protection

The TOE enforces unidirectional data flow for keyboard and mouse. The TOE ensures that only authorized peripheral devices may be used.

4.2.2 Protection of the TSF

The TOE ensures a secure state in the case of failure, provides only restricted access, and performs self-testing. The TOE provides passive detection of physical attack.

5 Assumptions, Threats & Clarification of Scope

5.1 Assumptions

The specific conditions listed in the following subsections are assumed to exist in the TOE's environment. These assumptions include both practical realities in the development of the TOE security requirements and the essential environmental conditions on the use of the TOE.

Table 1 TOE Assumptions

Assumption	Assumption Definition
A.NO_TEMPEST	Computers and peripheral devices connected to the PSD are not TEMPEST approved. The TSF may or may not isolate the ground of the keyboard and mouse computer interfaces (the USB ground). The Operational Environment is assumed not to support TEMPEST red-black ground isolation.
A.PHYSICAL	The environment provides physical security commensurate with the value of the TOE and the data it processes and contains.
A.NO_WIRELESS_DEVICES	The environment includes no wireless peripheral devices.
A.TRUSTED_ADMIN	PSD Administrators and users are trusted to follow and apply all guidance in a trusted manner.
A.TRUSTED_CONFIG	Personnel configuring the PSD and its operational environment follow the applicable security configuration guidance.
A.USER_ALLOWED_ACCESS	All PSD users are allowed to interact with all connected computers. It is not the role of the PSD to prevent or otherwise control user access to connected computers. Computers or their connected network shall have the required means to authenticate the user and to control access to their various resources.

5.2 Threats

The following table lists the threats addressed by the TOE and the IT Environment. The assumed level of expertise of the attacker for all the threats identified below is Enhanced-Basic.

Table 2 TOE Threats

Threat	Threat Definition
T.DATA_LEAK	A connection via the PSD2 between one or more computers may allow unauthorized data flow through the PSD or its connected peripherals.
T.SIGNAL_LEAK	A connection via the PSD between one or more computers may allow unauthorized data flow through bit-by-bit signaling.
T.RESIDUAL_LEAK	A PSD may leak (partial, residual, or echo) user data between the intended connected computer and another unintended connected computer.
T.UNINTENDED_USE	A PSD may connect the user to a computer other than the one to which the user intended to connect.
T.UNAUTHORIZED_DEVICES	The use of an unauthorized peripheral device with a specific PSD peripheral port may allow unauthorized data flows between connected devices or enable an attack on the PSD or its connected computers.
T.LOGICAL_TAMPER	An attached device (computer or peripheral) with malware, or otherwise under the control of a malicious user, could modify or overwrite code or data stored in the PSD's volatile or non-volatile memory to allow unauthorized information flows.
T.PHYSICAL_TAMPER	A malicious user or human agent could physically modify the PSD to allow unauthorized information flows.
T.REPLACEMENT	A malicious human agent could replace the PSD during shipping, storage, or use with an alternate device that does not enforce the PSD security policies.

Threat	Threat Definition
T.FAILED	Detectable failure of a PSD may cause an unauthorized information flow or weakening of PSD security functions.

5.3 Clarification of Scope

All evaluations (and all products) have limitations, as well as potential misconceptions that need clarifying. This text covers some of the more important limitations and clarifications of this evaluation. Note that:

- As with any evaluation, this evaluation only shows that the evaluated configuration meets the security claims made, with a certain level of assurance. The level of assurance for this evaluation is defined within the PP-Configuration for Peripheral Sharing Device and Keyboard/Mouse Devices, which references the Protection Profile for Peripheral Sharing Device Version 4.0 [PP_PSD_V4.0] and the PP-Module for Keyboard/Mouse Devices, Version 1.0.
- Consistent with the expectations of the Protection Profile, this evaluation did not specifically search for, nor seriously attempt to counter, vulnerabilities that were not “obvious” or vulnerabilities to objectives not claimed in the ST. The CEM defines an “obvious” vulnerability as one that is easily exploited with a minimum of understanding of the TOE, technical sophistication and resources.
- The evaluation of security functionality of the product was limited to the functionality specified in the claimed PPs. Any additional security related functional capabilities included in the product were not covered by this evaluation.

6 Documentation

The following documents were provided by the vendor with the TOE for evaluation:

- Vertiv CYBEX™ SCKM140PP4 KM Switch Firmware Version 40404-0E7 Security Target, Version: 1.18, January 13, 2021
- Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 Security Target, Version: 1.15, January 5, 2021
- CYBEX™ SC Series Secure Switches SC800/900DPH, SC800/900DVI, and SCKM100PP4 Quick Installation Guide, 590-2282-501B
- Vertiv CYBEX™ SCKM140PP4 KM Switch Firmware Version 40404-0E7 Common Criteria Guidance Supplement, Version 1.8, November 23, 2021
- CYBEX™ SECURE USB FILTERS, 590-2297-501 Rev. A
- Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 Common Criteria Guidance Supplement, Version 1.8, January 19, 2021

7 TOE Evaluated Configuration

7.1 Evaluated Configuration

Figure 1 shows a basic evaluated configuration for the SCKM140PP4 KM. The TOE is used with a remote control.

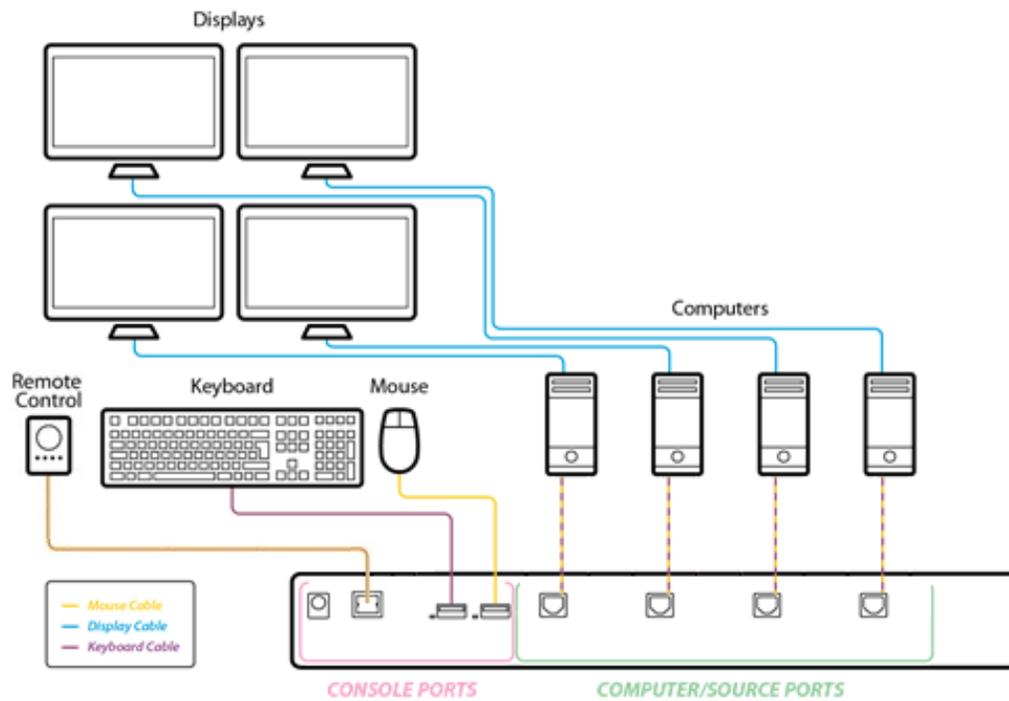


Figure 1 – KM Switch Evaluated Configuration

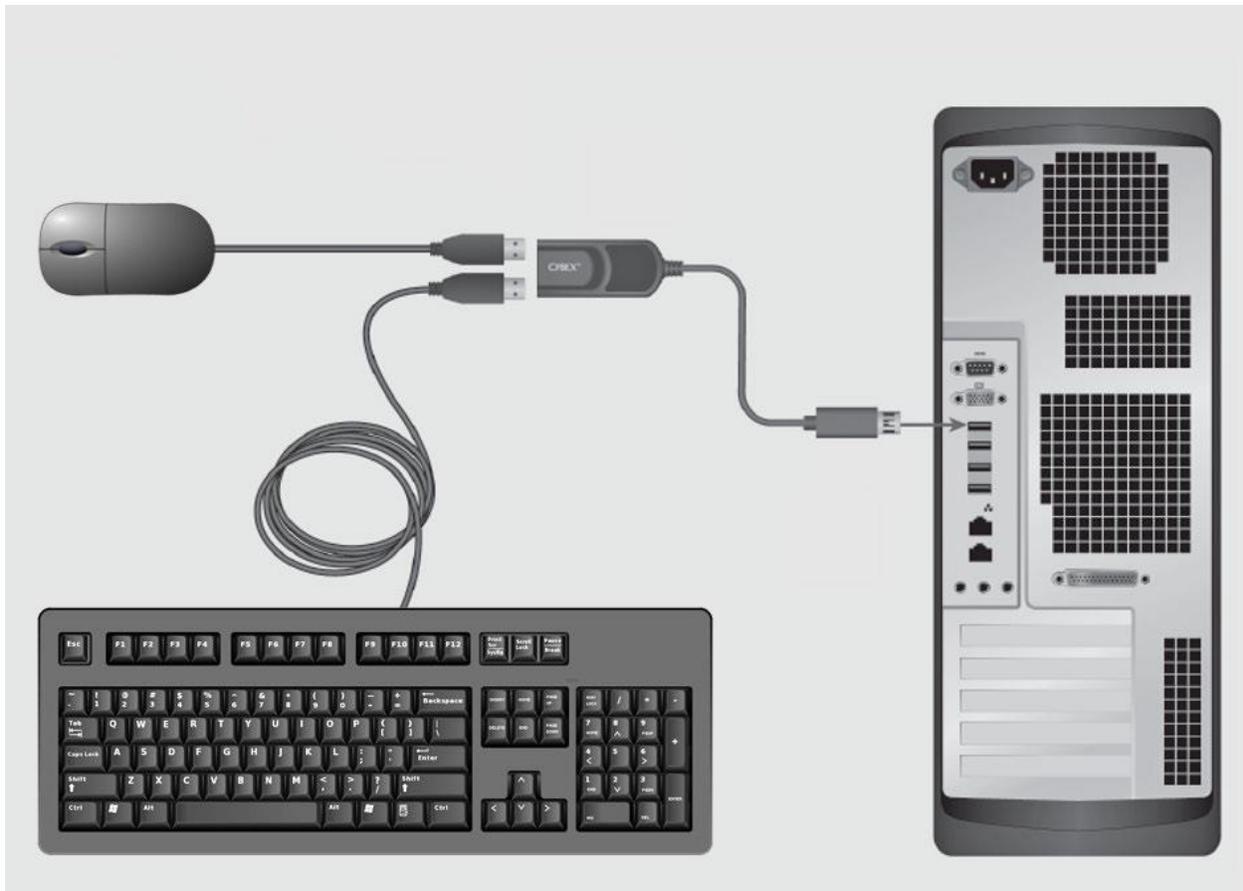


Figure 2 – USB Filter Evaluated Configuration

7.2 Excluded Functionality

The ST does not describe excluded functionality.

8 IT Product Testing

This section describes the testing efforts of the developer and the evaluation team. It is derived from information contained in Test Report for Vertiv CYBEX™ SCKM140PP4 KM Switch Firmware Version 40404-0E7 Peripheral Sharing Device and Test Report for Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 Peripheral Sharing Device, which are not publicly available. The Assurance Activities Report provides an overview of testing and the prescribed assurance activities.

8.1 Developer Testing

No evidence of developer testing is required in the Assurance Activities for this product.

8.2 Evaluation Team Independent Testing

The evaluation team verified the product according to the vendor-provided guidance documentation and ran the tests specified in the Protection Profile for Peripheral Sharing Device Version 4.0 and the PP-Module for Keyboard/Mouse Devices Version 1.0. The Independent Testing activity is documented in the Assurance Activities Report, which is publicly available, and is not duplicated here.

All testing was carried out on-site in Ottawa, Ontario by Acumen Security personnel. Initial receipt and inspection of the TOE occurred in March 2020. The general timeline for testing spanned from March 2020 to October 2021, with periods of inactivity in-between. Much of the testing for the TOE was achieved during the October and November 2020 timeframes as well as October of 2021. For the entire duration of the testing, the TOE was in a physically protected, access controlled, designated test lab with no unattended entry/exit ways. Only individuals authorized by Acumen Security were allowed access to the rooms where the devices were kept stored. At the start of each day, the test bed was verified to ensure that it was not compromised. This was achieved by inspecting the tamper seals, enclosures, and cabling for signs of tampering. All evaluation documentation was always kept with the evaluator. In addition, all the necessary precautions and safety protocols were followed.

For the Isolator, testing was performed on the SCUSBHIDFILTER product. As this device has a feature where the USB connection is permanently “locked” to connected computers, some testing was performed with a modified plug that did not permanently lock.

For the Switch, testing was performed on the SCKM140PP4 switch with the SCAFP0004 remote unit. An equivalency argument was provided on peripheral port testing.

Details of the supporting test equipment used are proprietary and are specified in the Test Reports for the Switch and Isolator devices.

9 Results of the Evaluation

The results of the assurance requirements are generally described in this section and are presented in detail in the proprietary documents: the Detailed Test Report (DTR) and the Evaluation Technical Report (ETR). The reader of this document can assume that activities and work units received a passing verdict.

A verdict for an assurance component is determined by the resulting verdicts assigned to the corresponding evaluator action elements. The evaluation was conducted based upon CC version 3.1 rev 5 and CEM version 3.1 rev 5. The evaluation determined the Vertiv CYBEX™ SCKM140PP4 KM Switch and SCUSBHIDFILTER Firmware Version 40404-0E7 Peripheral Sharing Devices to be Part 2 extended, and meets the SARs contained in the PP. Additionally the evaluator performed the Assurance Activities specified in the Protection Profile and claimed modules.

9.1 Evaluation of Security Target

The evaluation team applied each EAL 1 ASE CEM work unit. The ST evaluation ensured the ST contains a description of the environment in terms of policies and assumptions, a statement of security requirements claimed to be met by the Vertiv CYBEX™ SCKM140PP4 KM Switch and SCUSBHIDFILTER Firmware Version 40404-0E7 Peripheral Sharing Devices that are consistent with the Common Criteria, and product security function descriptions that support the requirements. Additionally, the evaluator performed an assessment of the Assurance Activities specified in the Protection Profile for Peripheral Sharing Device Version 4.0 and PP-Module for Keyboard/Mouse Devices, Version 1.0.

The validator reviewed the work of the evaluation team, and found that sufficient evidence and justification was provided by the evaluation team to confirm that the evaluation was conducted in accordance with the requirements of the CEM, and that the conclusion reached by the evaluation team was justified.

9.2 Evaluation of Development Documentation

The evaluation team applied each EAL 1 ADV CEM work unit. The evaluation team assessed the design documentation and found it adequate to aid in understanding how the TSF provides the security functions. The design documentation consists of a functional specification contained in the Security Target's TOE Summary Specification. Additionally, the evaluator performed the Assurance Activities specified in the Protection Profile for Peripheral Sharing Device Version 4.0 and PP-Module for Keyboard/Mouse Devices, Version 1.0 related to the examination of the information contained in the TOE Summary Specification.

The validator reviewed the work of the evaluation team, and found that sufficient evidence and justification was provided by the evaluation team to confirm that the evaluation was conducted in accordance with the Assurance Activities, and that the conclusion reached by the evaluation team was justified.

9.3 Evaluation of Guidance Documents

The evaluation team applied each EAL 1 AGD CEM work unit. The evaluation team ensured the adequacy of the user guidance in describing how to use the operational TOE. Additionally, the evaluation team ensured the adequacy of the administrator guidance in describing how to securely administer the TOE. The guides were assessed during the design and testing phases of the evaluation to ensure they were complete. Additionally, the evaluator performed the Assurance Activities specified in the Protection Profile for Peripheral Sharing Device Version 4.0 and PP-Module for Keyboard/Mouse Devices, Version 1.0 related to the examination of the information contained in the operational guidance documents.

The validator reviewed the work of the evaluation team, and found that sufficient evidence and justification was provided by the evaluation team to confirm that the evaluation was conducted in accordance with the Assurance Activities, and that the conclusion reached by the evaluation team was justified.

9.4 Evaluation of Life Cycle Support Activities

The evaluation team applied each EAL 1 ALC CEM work unit. The evaluation team found that the TOE was identified.

The validator reviewed the work of the evaluation team, and found that sufficient evidence and justification was provided by the evaluation team to confirm that the evaluation was conducted in accordance with the requirements of the CEM, and that the conclusion reached by the evaluation team was justified.

9.5 Evaluation of Test Documentation and the Test Activity

The evaluation team applied each EAL 1 ATE CEM work unit. The evaluation team ran the set of tests specified by the Assurance Activities in the Protection Profile for Peripheral Sharing Device Version 4.0 and PP-Module for Keyboard/Mouse Devices, Version 1.0 and recorded the results in a Test Report, summarized in the Evaluation Technical Report and Assurance Activities Report.

The validator reviewed the work of the evaluation team, and found that sufficient evidence was provided by the evaluation team to show that the evaluation activities addressed the test activities in the Protection Profile for Peripheral Sharing Device Version 4.0 and PP-Module for Keyboard/Mouse Devices, Version 1.0, and that the conclusion reached by the evaluation team was justified.

9.6 Vulnerability Assessment Activity

The evaluation team applied each EAL 1 AVA CEM work unit. The evaluation team performed a public search for vulnerabilities, performed vulnerability testing and did not discover any issues with the TOE.

The evaluator searched the Internet for potential vulnerabilities in the TOE using the web sites listed below. The sources of the publicly available information are provided below.

- National Vulnerability Database: <https://nvd.nist.gov/vuln/search>
- Vertiv Support: <https://www.vertiv.com/en-ca/support/>
- Common Vulnerabilities and Exposures: <https://google.com>

The evaluator performed the public domain vulnerability searches using the following key words: (The search was performed on January 12, 2021.)

- Vertiv
- Vertiv KM
- Vertiv Firmware
- Vertiv Peripheral Sharing Device
- SCKM140PP4
- SCUSBHIDFILTER
- AFP0004
- Firmware Version 40404-0E7
- Cybex
- NAK Transaction
- USB HID Traffic
- STMicroelectronics 32-bit

The validator reviewed the work of the evaluation team, and found that sufficient evidence and justification was provided by the evaluation team to confirm that the evaluation addressed the vulnerability analysis Assurance Activities in the Protection Profile for Peripheral Sharing Device Version 4.0 and PP-Module for Keyboard/Mouse Devices, Version 1.0, and that the conclusion reached by the evaluation team was justified.

9.7 Summary of Evaluation Results

The evaluation team's assessment of the evaluation evidence demonstrates that the claims in the ST are met. Additionally, the evaluation team's test activities also demonstrated the accuracy of the claims in the ST.

The validation team's assessment of the evidence provided by the evaluation team is that it demonstrates that the evaluation team performed the Assurance Activities in the Protection Profile for Peripheral Sharing Device Version 4.0 and PP-Module for Keyboard/Mouse Devices, Version 1.0, and correctly verified that the product meets the claims in the ST.

10 Validator Comments & Recommendations

The validation team notes that the evaluated configuration is dependent upon the TOE being configured per the instructions in the Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 Common Criteria Guidance Supplement, v1.8, January 19, 2022 and Vertiv CYBEX™ SCKM140PP4 KM Switch Firmware Version 40404-0E7 Common Criteria Guidance Supplement, v1.8, November 23, 2021 documents.

Note that the SCUSBHIDFILTER isolator device is designed to lock into the USB port and cannot be removed (a special non-locking version was used for some tests). Users of the product should be aware of this specialized characteristic.

No versions of the TOE and software, either earlier or later were evaluated. Please note that the functionality evaluated is scoped exclusively to the security functional requirements specified in the Security Target for the Isolator and Switch TOEs. Other functionality included in the product was not assessed as part of this evaluation.

11 Annexes

Not applicable.

12 Security Target

Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 Security Target Version:
1.15, January 5, 2022

Vertiv CYBEX™ SCKM140PP4 KM Switch Firmware Version 40404-0E7 Security Target,
Version: 1.18, January 13, 2022

13 Glossary

The following definitions are used throughout this document:

- **Common Criteria Testing Laboratory (CCTL).** An IT security evaluation facility accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) and approved by the CCEVS Validation Body to conduct Common Criteria-based evaluations.
- **Conformance.** The ability to demonstrate in an unambiguous way that a given implementation is correct with respect to the formal model.
- **Evaluation.** The assessment of an IT product against the Common Criteria using the Common Criteria Evaluation Methodology to determine whether or not the claims made are justified; or the assessment of a protection profile against the Common Criteria using the Common Evaluation Methodology to determine if the Profile is complete, consistent, technically sound and hence suitable for use as a statement of requirements for one or more TOEs that may be evaluated.
- **Evaluation Evidence.** Any tangible resource (information) required from the sponsor or developer by the evaluator to perform one or more evaluation activities.
- **Feature.** Part of a product that is either included with the product or can be ordered separately.
- **Target of Evaluation (TOE).** A group of IT products configured as an IT system, or an IT product, and associated documentation that is the subject of a security evaluation under the CC.
- **Validation.** The process carried out by the CCEVS Validation Body leading to the issue of a Common Criteria certificate.
- **Validation Body.** A governmental organization responsible for carrying out validation and for overseeing the day-to-day operation of the NIAP Common Criteria Evaluation and Validation Scheme.

14 Bibliography

The Validation Team used the following documents to produce this Validation Report:

1. Common Criteria for Information Technology Security Evaluation - Part 1: Introduction and general model, Version 3.1 Revision 5.
2. Common Criteria for Information Technology Security Evaluation - Part 2: Security functional requirements, Version 3.1 Revision 5.
3. Common Criteria for Information Technology Security Evaluation - Part 3: Security assurance requirements, Version 3.1 Revision 5.
4. Common Evaluation Methodology for Information Technology Security Evaluation, Version 3.1 Revision 5.
5. Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 Security Target Version: 1.15, January 5, 2022
6. Vertiv CYBEX™ SCKM140PP4 KM Switch Firmware Version 40404-0E7 Security Target, Version: 1.18, January 13, 2022
7. Assurance Activity Report for Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 and Vertiv CYBEX™ SCKM140PP4 KM Switch Firmware Version 40404-0E7 Peripheral Sharing Devices [AAR], Version 1.2, January 28, 2022
8. Evaluation Technical Report for Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 and Vertiv CYBEX™ SCKM140PP4 KM [ETR], Version 1.2 January 28, 2022
9. Vertiv CYBEX™ SCUSBHIDFILTER Firmware Version 40404-0E7 Common Criteria Guidance Supplement, v1.8, January 19, 2022
10. Vertiv CYBEX™ SCKM140PP4 KM Switch Firmware Version 40404-0E7 Common Criteria Guidance Supplement, v1.8, November 23, 2021
11. CYBEX™ SC Series Secure Switches SC800/900DPH, SC800/900DVI, and SCKM100PP4 Quick Installation Guide, 590-2282-501B
12. CYBEX™ SECURE USB FILTERS, 590-2297-501A