



**UK IT SECURITY EVALUATION AND
CERTIFICATION SCHEME**



122-B

**ASSURANCE MAINTENANCE STATUS SUMMARY
(supplementing Certification Report No. P150)**

CyberGuard Firewall for UnixWare / Premium Appliance Firewall

Release 4.3 Derivatives (to Release 5.2 PSU 1)

running on SCO UnixWare 2.1.3

Issue 2.0

February 2005

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ABBREVIATIONS

| | |
|------|---|
| AMA | Maintenance of Assurance Class |
| CCRA | Common Criteria Recognition Arrangement |
| CLEF | Commercial Evaluation Facility |
| CMS | Certificate Maintenance Scheme |
| DSA | Developer Security Analyst |
| EAL | Evaluation Assurance Level |
| FS | FireSTAR |
| HTTP | HyperText Transfer Protocol |
| KS | KnightSTAR |
| NNTP | Network News Transfer Protocol |
| PSU | Product Software Update |
| RAID | Redundant Array of Inexpensive Disks |
| SL | STARLord |
| SMTP | Simple Message Transfer Protocol |
| SNMP | Simple Network Management Protocol |
| TOE | Target of Evaluation |
| UKSP | United Kingdom Scheme Publication |
| UW | UnixWare |

REFERENCES

- a. Certification Report No. P150, CyberGuard Firewall for UnixWare, Release 4.3, running on SCO UnixWare 2.1.3, UK IT Security Evaluation and Certification Scheme, Issue 2.0, February 2003.
- b. Common Criteria Security Target, Logica UK Ltd, CLEF.EC25402.40.1, Issue 3.0, 5 February 2003.
- c. Arrangement on the Recognition of Common Criteria Certificates in the Field of Information Technology Security, Members of the Agreement Group, May 2000.
- d. UK Certificate Maintenance Scheme, Part I, Description of the CMS, UK IT Security Evaluation and Certification Scheme, UKSP 16, Issue 1.0, 31 July 1996.
- e. UK Certificate Maintenance Scheme, Part II, Impact Analysis and Evaluation Methodology, UK IT Security Evaluation and Certification Scheme, UKSP 16, Issue 1.0, 31 July 1996.
- f. UKSP 16 Addendum: Interim Guidance for CC TOEs, UK IT Security Evaluation and Certification Scheme, UKSP 16, Issue 1.0, January 2000.
- g. Common Criteria for Information Technology Security Evaluation, Part 3, Security Assurance Requirements, Common Criteria Interpretations Management Board, CCIMB-99-033, Version 2.1, August 1999.
- h. Task LFL/T145 Certificate Maintenance Scheme, Audit Report, Logica CLEF, CLEF.26874.CMS/7.2/3, Issue 1.0, 22 January 2002.
- i. AMS for Task LFL/T145, Logica CLEF, CLEF.26874.CMS/5.1/3, 18 March 2002.
- j. Task LFL/T159 Combined CMS-AMS Audit Report, Logica CLEF, CLEF.26992.CMS/7.2/1, Issue 1.0, 5 December 2002.

- k. Task LFL/T211 Combined CMS-AMS Audit Report,
LogicaCMG CLEF,
CLEF.116173.7.2/1, Issue 1.0, 23 November 2004.
- l. Security Hardening in the CyberGuard Firewall for UnixWare,
CyberGuard Corporation,
EV032-001, Issue 1.0, 13 February 2003.

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I. INTRODUCTION

Introduction

1. This summary outlines the current status of the UK assurance maintenance process for the CyberGuard Firewall for UnixWare (UW) / Premium Appliance Firewall Release 4.3 derivatives, and is intended to assist prospective consumers when judging the suitability of the IT security of the derivatives for their particular requirements.
2. The baseline for assurance maintenance was the Common Criteria (CC) evaluation, to the EAL4 Evaluation Assurance Level, of product Release 4.3. The Developer's flaw remediation procedures were also evaluated in accordance with the CC ALC_FLR.1 evaluation requirements.
3. Prospective consumers are advised to read this document in conjunction with both:
 - the Certification Report [Reference a] for the EAL4 and ALC_FLR.1 evaluation; and
 - the Security Target [b] which specifies the functional, environmental and assurance requirements for the evaluation and assurance maintenance.

Assurance Maintained Derivatives

4. The version of the product originally evaluated was:
 - CyberGuard Firewall for UnixWare / Premium Appliance Firewall Release 4.3.
5. The most recent version of the product for which assurance has been maintained is:
 - CyberGuard Firewall for UnixWare / Premium Appliance Firewall Release 5.2 PSU 1.
6. Assurance has also been maintained for the intermediate releases and Product Software Updates (PSUs) detailed in this summary. (Only Releases 4.3 PSU 6 and 5.0 PSU 3 have not been assurance maintained.)
7. Similarly to the evaluation of product Release 4.3, all assurance maintained derivatives include the pre-configured, pre-packaged Premium Appliance Firewall products¹:
 - FireSTAR (FS)
 - KnightSTAR (KS)
 - STARLord (SL)
8. Note that for all of the assurance maintained derivatives, the scope of the Target of Evaluation (TOE) functionality remains unchanged from that defined in the Security Target, even though the product features have been enhanced.

¹ The LX product is no longer supported and has therefore been removed from this report.

Status of Maintenance Results

9. Assurance maintenance involves a process whereby a Developer Security Analyst (DSA) performs an analysis of the security impact of changes to the product, affirms that these changes do not undermine the security of the product, affirms that the changes are not of sufficient significance to warrant a Commercial Evaluation Facility (CLEF) re-evaluation and maintains product and process documentation. The work of the DSA is periodically audited by the CLEF.

10. The evaluation of product Release 4.3 was conducted in accordance with the terms of the CC Recognition Arrangement (CCRA) [c], and the evaluation of flaw remediation procedures was conducted in accordance with a working agreement amongst the parties to the arrangement (pending formal extension of CCRA). These agreements are based on evaluation by a CLEF using common evaluation methodology agreed by the CCRA parties.

11. A common methodology for assurance maintenance had not been agreed at the start of the activities covered by this summary, and CCRA did not extend to assurance maintenance. The UK assurance maintenance process is thus based on an interim UK methodology comprising UKSP 16 [d, e] and the UKSP 16 Addendum for CC TOEs [f]. The UK IT Security Evaluation and Certification Scheme considers this methodology appropriate for use with the CC Part 3 [g] AMA criteria.

AMA Audit Schedule

12. The schedule of completed AMA Audits is detailed in the table below.

| Schedule | Date | Auditors |
|-----------------------|---------------|----------------|
| AMA Audit No 1 [h, i] | August 2001 | Logica CLEF |
| AMA Audit No 2 [j] | November 2002 | Logica CLEF |
| AMA Audit No 3 [k] | August 2004 | LogicaCMG CLEF |

AMA Audit Schedule

AMA Audit Results

13. After due consideration of the Audit Reports [h-k] produced by the LogicaCMG CLEF (formerly the Logica CLEF) and other visibility of the assurance maintenance process given to the Certifier, the Certification Body has determined that EAL4 assurance has been maintained for all derivatives of CyberGuard Firewall for UnixWare (UW) / Premium Appliance Firewall Release 4.3 listed in this summary.

14. The ALC_FLR evaluation was conducted concurrently with AMA Audit No 1, and maintenance of this assurance augmentation was confirmed during AMA Audit No 2 and Audit No 3.

General Points

15. Assurance maintenance addresses the security functionality claimed in the Security Target with reference to the assumed operating environment specified by the Security Target. The assurance-maintained derivative configurations are as specified in the Certification Report and the derivative modifications specified in the following chapters. Prospective consumers are advised to check that this matches their identified requirements.

16. The assurance maintenance process is not a guarantee of freedom from security vulnerabilities; there remains a small probability (smaller with greater assurance) that exploitable vulnerabilities may be discovered after an AMA Audit has been completed. Consumers (both prospective and existing) should check regularly for themselves whether any security vulnerabilities have been discovered since this document was issued and, if appropriate, should check with the Vendor to see if any patches exist for the product and whether such patches have been:

- applied in accordance with the evaluated flaw remediation procedures,
- incorporated into a later assurance maintained derivative, or
- evaluated and certified.

Assurance-maintained Derivative Changes

17. The following chapters give information of relevance to consumers for the assurance maintained derivatives, particularly where this differs from that supplied in the Certification Report for CyberGuard Firewall Release 4.3 [a].

18. The Installation and Guidance documentation for the original TOE (Release 4.3) is detailed in the Certification Report [a]. For each TOE derivative, a summary of the updated Installation and Guidance documentation and CD-ROM media, including a summary of the security-related changes, is provided in the following chapters.

19. The consumer-relevant items that have changed since the original evaluation of Release 4.3 are summarised in the table below.

| Item | Modified | Description |
|---------------------|----------|--|
| Security Target | Yes | Issue 2.0 has been updated to Issue 3.0 to include augmentation by ALC_FLR.1. (There have been no changes to the assurance or functionality requirements under assurance maintenance.) |
| Product Identifiers | Yes | Identifiers of derivatives, associated guidance documents and hardware specified for the evaluation environment are as specified in the following chapters. |

| Item | Modified | Description |
|---|----------|---|
| Delivery Procedures | Yes | <p>MD5 checksum procedure evaluated as a delivery procedure under Flaw Remediation (see Certification Report [a]).</p> <p>In addition to the software release (including PSU) number, the model number (or enhancement status) and CD-ROM reference number are marked on the software CD and included on the packing slip and in the e-mail sent to the customer prior to shipment. (Also the site identifier and a hardware serial number can be used by Customer Support to identify a derivative previously supplied to a customer).</p> <p>There have been no other changes under assurance maintenance.</p> |
| Installation and Guidance Documentation | Yes | <p>Delivery and Configuration document: There have been no changes to this document under assurance maintenance.</p> <p>Installation Guide: Changes in each major release have been reflected in a new version of this document.</p> <p>Release Notes: Changes in each major release have been reflected in a new version of this document.</p> <p>CyberGuard Firewall Manual: Changes in each major release have been reflected in a new version of this document.</p> <p>Security Hardening document: Minor changes (eg revised reference to the Firewall Manual) have been included in an updated version [1].</p> <p>README files: Changes in each PSU have been reflected in a README file (available on the relevant CD-ROM media and the CyberGuard website).</p> <p>Answer Book: Updated on CyberGuard website to reflect changes in each major release and PSU.</p> <p>On-line help and manual pages: Updated in product to reflect changes in each major release and PSU.</p> |

| Item | Modified | Description |
|----------------|----------|--|
| UnixWare 2.1.3 | No | No vulnerabilities found within the scope of the TOE derivatives. |
| Security tests | Yes | Each new release or PSU is subjected to the full set of automated firewall security tests on each current Premium Appliance Firewall hardware platform. (See Annex A for further information.). Additional tests have been created and added to the existing suite as required to check the impact of the TOE changes. |

Maintenance of Consumer-Relevant Items

20. In the following chapters, the reference to “UW” relates to the original CyberGuard Firewall for UnixWare Release 4.3 software, indicating a software-only update, i.e. no pre-packaged hardware was supplied by CyberGuard (note that this option is no longer marketed by CyberGuard). In addition, the references to “FS”, “KS” and “SL” relate to the original pre-configured, pre-packaged TOE derivatives detailed in the Certification Report [a]. Within CyberGuard, subsequent TOE derivatives are referenced either by specific Model Number (eg FS 500), or by specific enhancement (eg KS raid (see below) – these predate the introduction of Model Numbers).

21. The TOE derivatives that include specific pre-configured, pre-packaged enhancements, but no Model Number, are indicated as follows:

- KS raid: KnightSTAR containing a specific RAID subsystem
- KS tu: KnightSTAR containing an Intel Tupelo processor with 9GB hard drive
- KS tu18: KnightSTAR containing an Intel Tupelo processor with 18GB hard drive
- FS b: FireSTAR containing a specific memory upgrade.

II. 4.3 PSU 1 (P4x3p1)

22. There were some security-supporting changes to the source code of this TOE derivative to improve messages and to support performance enhancements, together with some updates to the NNTP and FTP proxies.

23. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

24. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|----------|------------------|----------|
| UW | 1905 | 12/18/00 |
| KS | 1905 | 12/18/00 |
| SL | 1905 | 12/18/00 |
| FS | 1906 | 01/04/01 |

Updated Product CD-ROM Media

III. 4.3 PSU 2 (P4x3p2)

25. There were some security-supporting changes to the source code of this TOE derivative to support corrections and improvements to the FTP, SMTP and HTTP proxies.

26. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

27. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|----------|---|----------|
| UW | 1907 | 04/18/01 |
| KS | 1908 | 04/18/01 |
| SL | 1909 | 04/18/01 |
| KS raid | 1909 | 04/18/01 |
| FS | 1910 | 04/18/01 |
| SL 500 | 1911 | 04/20/01 |
| KS tu | 1912 (superseded by 1913 with IPMI fix) | 04/20/01 |
| KS tu | 1913 | 05/15/01 |

Updated Product CD-ROM Media

IV. 4.3 PSU 3 (P4x3p3)

28. There were some security-critical changes to the source code of this TOE derivative to support SMTP filtering.

29. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

30. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|----------|------------------|----------|
| UW | 1920 | 07/25/01 |
| KS | 1921 | 07/25/01 |
| KS tu | 1922 | 07/25/01 |
| SL | 1923 | 07/25/01 |
| SL 500 | 1924 | 07/25/01 |
| KS raid | 1924 | 07/25/01 |
| FS | 1925 | 07/25/01 |
| KS tu18 | 1926 | 12/13/01 |

Updated Product CD-ROM Media

V. 4.3 PSU 4 (P4x3p4)

31. There were no security-critical or security-supporting changes to the source code of this TOE derivative.

32. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

33. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|----------|------------------|----------|
| KS tu18 | 1927 | 12/19/01 |
| KS tu | 1928 | 12/19/01 |
| KS | 1929 | 12/19/01 |
| SL | 1930 | 12/19/01 |
| SL 500 | 1931 | 12/19/01 |
| KS raid | 1932 | 12/19/01 |
| FS | 1933 | 12/19/01 |
| UW | 1934 | 01/18/02 |

Updated Product CD-ROM Media

VI. 4.3 PSU 5 (P4x3p5)

34. There were no security-critical or security-supporting changes to the source code of this TOE derivative.

35. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

36. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|----------|------------------|----------|
| UW | 1935 | 04/11/02 |
| KS | 1936 | 05/07/02 |
| KS tu | 1937 | 04/17/02 |
| KS tu18 | 1938 | 06/03/02 |
| FS | 1940 | 04/17/02 |
| FS b | 1941 | 04/30/02 |
| SL | 1942 | 05/23/02 |
| SL 500 | 1943 | 05/17/02 |
| KS raid | 1943 | 05/17/02 |

Updated Product CD-ROM Media

VII. 5.0

37. There were some security-supporting changes to the source code of this TOE derivative to support synflood defence and to support VPN. (VPN is not included within the scope of the TOE.)

38. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|-----------------------------|
| CyberGuard Firewall Manual (Vols 1, 2, 3) | FW001-061, November 2001 |
| CyberGuard 5.0 Installation Guide | IN001-050, November 2001 |
| CyberGuard Firewall Release Notes Version 5.0 | RN001-5.0, 28 November 2001 |

Updated Installation and Guidance Documentation

39. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|----------|------------------|----------|
| KS | 2510 | 11/28/01 |
| KS tu | 2512 | 11/28/01 |
| KS tu18 | 2513 | 11/28/01 |
| FS | 2514 | 11/28/01 |
| SL | 2515 | 11/28/01 |
| SL 500 | 2516 | 11/28/01 |
| KS raid | 2516 | 11/28/01 |

Updated Product CD-ROM Media

VIII. 5.0 PSU 1 (P5x0p1)

40. There were no security-critical or security-supporting changes to the source code of this TOE derivative.

41. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

42. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|----------|------------------|----------|
| KS | 2518 | 02/25/02 |
| FS | 2521 | 02/25/02 |
| FS b | 2522 | 02/25/02 |
| SL | 2523 | 02/25/02 |
| SL 500 | 2524 | 02/25/02 |
| KS raid | 2524 | 02/25/02 |
| KS tu | 2526 | 03/15/02 |
| KS tu18 | 2527 | 03/15/02 |

Updated Product CD-ROM Media

IX. 5.0 PSU 2 (P5x0p2)

43. There were no security-critical or security-supporting changes to the source code of this TOE derivative.

44. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

45. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|--------------|------------------|----------|
| KS | 2529 | 05/22/02 |
| KS tu | 2530 | 06/13/02 |
| FS | 2533 | 05/24/02 |
| SL | 2535 | 05/24/02 |
| KS tu18 | 2538 | 05/21/02 |
| FS b | 2539 | 06/13/02 |
| KS 1000/1500 | 2543 | 09/11/02 |
| SL 2000 | 2545 | 10/03/02 |

Updated Product CD-ROM Media

X. 5.1

46. There were no security-critical or security-supporting changes to the source code of this TOE derivative.

47. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|----------------------------|
| CyberGuard Firewall Manual (Vols 1, 2, 3) | FW001-070, October 2002 |
| CyberGuard 5.1 Installation Guide | IN001-060, October 2002 |
| CyberGuard Firewall Release Notes Version 5.1 | RN001-5.1, 29 October 2002 |

Updated Installation and Guidance Documentation

48. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|--------------|------------------|----------|
| KS | 2602 | 10/29/02 |
| KS tu | 2603 | 10/29/02 |
| KS tu18 | 2604 | 10/29/02 |
| KS 1000/1500 | 2605 | 10/29/02 |
| FS | 2606 | 10/29/02 |
| FS b | 2607 | 10/29/02 |
| FS 250/500 | 2608 | 10/29/02 |
| SL | 2609 | 10/29/02 |
| SL 2000 | 2611 | 10/29/02 |

Updated Product CD-ROM Media

XI. 5.1 PSU 1 (P5x1p1)

49. There were some security relevant and some security enforcing changes to the source code of this TOE derivative.

50. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

51. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|-------------------------------|------------------|----------|
| KS | 2616 | 05/15/03 |
| KS tu | 2617 | 05/15/03 |
| KS tu18 | 2618 | 05/14/03 |
| KS 1000/1500 | 2619 | 05/14/03 |
| FS | 2620 | 05/16/03 |
| FS b | 2621 | 05/14/03 |
| FS 250/500 | 2622 | 05/14/03 |
| SL | 2623 | 05/15/03 |
| SL 500 KS RAID | 2624 | 05/16/03 |
| SL 2000 SL 3200 KS1500R | 2625 | 05/14/03 |
| KS ide | 2626 | 07/21/03 |
| KS 1000/1500 u320 | 2628 | 09/12/03 |

Updated Product CD-ROM Media

XII. 5.1 PSU 2 (P5x1p2)

52. There were some security relevant and security enforcing changes to the source code of this TOE derivative.

53. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

54. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|--------------------------------|------------------|----------|
| KS | 2651 | 06/08/04 |
| KS ide | 2652 | 06/10/04 |
| KS tu | 2653 | 06/08/04 |
| KS tu18 | 2654 | 06/08/04 |
| KS 1000/1500 | 2655 | 06/08/04 |
| KS 1000/1500 u320 | 2656 | 06/08/04 |
| FS | 2657 | 06/08/04 |
| FS b | 2658 | 06/08/04 |
| FS 250/500 FS 300/600 | 2659 | 06/08/04 |
| SL | 2660 | 06/08/04 |
| SL 500 KS RAID | 2661 | 06/08/04 |
| SL 2000 SL 3200 KS 1500R | 2662 | 06/08/04 |

Updated Product CD-ROM Media

XIII. 5.2

55. There were some security enforcing and some security relevant changes to the source code of this TOE derivative.

56. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------------|
| CyberGuard Firewall Manual (Vols 1, 2, 3) | FW001-080, November 2003 |
| CyberGuard 5.2 Installation Guide | IN001-070, December 2003 |
| CyberGuard Firewall Release Notes Version 5.2 | RN001-5.2, December 2003 |

Updated Installation and Guidance Documentation

57. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|--------------------------------|------------------|----------|
| KS | 2706 | 01/09/03 |
| KS ide | 2707 | 01/09/03 |
| KS tu | 2708 | 01/09/03 |
| KS tu18 | 2709 | 01/09/03 |
| KS 1000/1500 | 2710 | 01/09/03 |
| KS 1000/1500 u320 | 2711 | 01/09/03 |
| FS | 2712 | 01/09/03 |
| FS b | 2713 | 01/09/03 |
| FS 250/500 | 2714 | 01/09/03 |
| SL | 2715 | 01/09/03 |
| SL 500 KS RAID | 2716 | 01/09/03 |
| SL 2000 SL 3200 KS 1500R | 2717 | 01/09/03 |
| KS 1500R | 2611 | 10/29/02 |
| FS 250/500 | 2718 | 01/26/03 |

Updated Product CD-ROM Media

XIV.5.2 PSU 1 (P5x2p1)

58. There were some security relevant changes to the source code of this TOE derivative.

59. The updated Installation and Guidance documentation relevant to this TOE derivative is detailed in the table below.

| Document | Reference and Date |
|---|--------------------|
| README File on CD-ROM and CyberGuard website. | N/A |

Updated Installation and Guidance Documentation

60. The CD-ROM media and hardware relevant to this TOE derivative are detailed in the table below.

| Hardware | CD-ROM Reference | Date |
|--------------------------------|------------------|----------|
| KS | 2721 | 09/10/04 |
| KS ide | 2722 | 09/16/04 |
| KS tu | 2723 | 09/10/04 |
| KS tu18 | 2724 | 09/10/04 |
| KS 1000/1500 | 2725 | 09/10/04 |
| KS 1000/1500 u320 | 2726 | 09/10/04 |
| FS | 2727 | 09/10/04 |
| FS b | 2728 | 09/10/04 |
| FS 250/500 | 2729 | 09/10/04 |
| FS 300/600 | | |
| SL | 2730 | 09/10/04 |
| SL 500 KS RAID | 2731 | 09/10/04 |
| SL 2000 SL 3200 KS 1500R | 2732 | 09/10/04 |
| FS 300/600 nfd | 2733 | 12/10/04 |

Updated Product CD-ROM Media

ANNEX A: NOTES ON TOE DERIVATIVE TESTS

1. This annex summarises the TOE derivative testing.
2. The CyberGuard Firewall test suite is fully automated and includes all security tests from the original evaluation, but updated as appropriate to cater for new product functionality, new potential vulnerabilities and more recent versions of the appropriate test tools.
3. Each new software release or PSU has been tested on the various appliance models (or enhancements) marketed at the time. In each case the firewall was subjected to the full set of firewall security tests, which include auto regression and repetitive tests that exercise all the Security Functions, all TOE components and all TOE changes. The repetitive tests include testing for vulnerabilities using tools such as Internet Security Scanner (Version 6.2.1), Nessus (Version 2.0.12), NMAP (Version 3.0) and Jolt 3 (Version 2.0).
4. During the AMA Audits, the Evaluators examined the test records for the TOE derivatives and confirmed that there was suitable evidence of security testing for all TOE derivatives.
5. During AMA Audit No 2, the Evaluators requested that the automated test suite be re-run against 2 sample TOE derivatives, Release 4.3 PSU 4 (on a Premium Appliance Firewall FS500) and Release 5.1 (on a Premium Appliance Firewall KS1500). The Evaluators confirmed that the test results were satisfactory.
6. During AMA Audit No 3, the Evaluators requested that the automated test suite be re-run against 2 sample TOE derivatives, Release 5.1 PSU 2 (on a Premium Appliance Firewall FS500) and the most recent Release 5.2 PSU 1 (on a Premium Appliance Firewall KS1500). The Evaluators reviewed the test results and checked that a sample of changes, which they had previously examined in the on-line tracking database, had been correctly tested by the updated test suite. The Evaluators confirmed that the regression and change test results were satisfactory.

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