

	NIJ
Special	REPORT
Test Results for Software Write Block Tools: RCMP H	DL VO.8

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	Test Results for Software Write Block Tools: RCMP HDL VO.8
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Director

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Introduction

The Computer Forensics Tool Testing (CFTT) program is a joint project of the National Institute of Justice (NIJ), the research and development organization of the U.S. Department of Justice; the National Institute of Standards and Technology's (NIST) Office of Law Enforcement Standards (OLES) and Information Technology Laboratory (ITL); and is supported by other organizations, including the Federal Bureau of Investigation, the Department of Defense Cyber Crime Center, and the Department of Homeland Security's Bureau of Immigration and Customs Enforcement and U.S. Secret Service. The objective of the CFTT project is to provide measurable assurance to practitioners, researchers, and other applicable users that the tools used in computer forensics investigations provide accurate results. Accomplishing this requires the development of specifications and test methods for computer forensics tools and subsequent testing of specific tools against those specifications.

Test results provide the information necessary for developers to improve tools, users to make informed choices, and the legal community and others to understand the tools' capabilities. The approach for testing computer forensic tools is based on well-recognized methodologies for conformance and quality testing. The specifications and test methods are posted on the CFTT Web site (http://www.cftt.nist.gov) for both comment and review by the computer forensics community.

This document reports the results from testing the Royal Canadian Mounted Police Hard-Disk Write Lock V0.8 (RCMP HDL) against *Software Write Block Tool Specification & Test Plan, Version 3.0*, available at the CFTT Web site. This specification identifies the top-level tool requirements as—

- The tool shall not allow a protected drive to be changed.
- The tool shall not prevent obtaining any information from or about any drive.
- The tool shall not prevent any operations to a drive that is not protected.

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Tool Tested: RCMP HDL V0.8 021126 © RCMP 1993–2002

Operating System: MS DOS (Windows 98 DOS) Version 4.10.2222

Supplier: Royal Canadian Mounted Police

Technological Crime Branch

Technical Operations Directorate

Address: 1426 St. Joseph Blvd.

Ottawa, Ontario K1A 0R2

1. Results Summary by Requirements

The tool shall not allow a protected drive to be changed.

For all test cases run, the tool always blocked commands that would have changed any protected drives.

The tool shall not prevent obtaining any information from or about any drive.

For all test cases run, the tool always allowed commands to obtain information from any protected drives.

The tool shall not prevent any operations to a drive that is not protected.

For all test cases run, the tool always allowed any command to access any unprotected drives.

2. Anomalies

The tool functioned as documented and no anomalies were observed. Two commands in the control category were blocked that could have been allowed: the recalibrate (0x11) and the extended seek (0x47) commands.

Test Cases: SWB-11, SWB-12, SWB-23, and SWB-24.

3. Test Case Selection

The test cases were selected from *Software Write Block Tool Specification & Test Plan, Version 3.0.*

All of the 40 test cases defined in the specification were applied to HDL V0.8.

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4. Test Results by Assertion

This section presents the test results grouped by assertion. The assertions are taken from the *Software Write Block Tool Specification & Test Plan, Version 3.0.*

4.1 Mandatory Assertions

SWB-AM-01. If a drive is protected and a command from the write category is issued for the protected drive, then the tool shall block the command.

Each command in the write category was sent to all protected drives, and HDL blocked every command sent.

SWB-AM-02. If a drive is protected and a command from the configuration category is issued for the protected drive then the tool shall block the command.

Each command in the configuration category was sent to all protected drives, and HDL blocked every command sent.

SWB-AM-03. If a drive is protected and a command from the miscellaneous category is issued for the protected drive, then the tool shall block the command.

Each command in the miscellaneous category was sent to all protected drives, and HDL blocked every command sent.

SWB-AM-04. If a drive is protected and a command from the read category is issued for the protected drive, then the tool shall not block the command.

Each command in the read category was sent to all protected drives, but HDL never blocked any command sent.

SWM-AM-05. If a drive is protected and a command from the control category is issued for the protected drive, then the tool shall not block the command.

Each command in the control category was sent to all protected drives. HDL always blocked two of the commands sent: the recalibrate (0x11) and the extended seek (0x47) commands. HDL never blocked the other commands in the control category.

Test Cases: SWB-11 and SWB-12

SWB-AM-06. If a drive is protected and a command from the information category is issued for the protected drive, then the tool shall not block the command.

Each command in the information category was sent to all protected drives, but HDL never blocked any command sent.

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SWB-AM-07. If the tool is executed, then the tool shall issue a message indicating that the tool is active.

HDL always issued the message "Write Lock successfully installed" to indicate that the tool was active

SWB-AM-08. If the tool is executed, then the tool shall issue a message indicating all drives accessible by the covered interfaces.

HDL always issued the message "N Hard-Disks reported by Int_13h" to indicate that N drives were accessible by the interface.

SWB-AM-09. If the tool is executed, then the tool shall issue a message indicating the protection status of each drive attached to a covered interface.

For each covered drive, HDL always issued either the messages "Hard-Disk N Locked!" or "Hard-Disk N Not Locked!" to indicate the protection status of each drive.

SWB-AM-10. If the tool is configured to return *success* on blocked commands and the tool blocks a command, then the return code shall indicate successful command execution.

If HDL was configured to return *success* on blocked commands, all blocked commands returned *success*.

SWB-AM-11. If the tool is configured to return *fail* on blocked commands and the tool blocks a command, then the return code shall indicate unsuccessful command execution.

If HDL was configured to return *fail* on blocked commands, all blocked commands returned *fail*.

4.2 Optional Assertions

SWB-AO-01. If a subset of all covered drives is specified for protection, then commands from the write category shall be blocked for drives in the selected subset.

When a subset of covered drives was selected and each command in the write category was sent to all protected drives, HDL blocked every command sent.

SWB-AO-02. If a subset of all covered drives is specified for protection, then commands from the configuration category shall be blocked for drives in the selected subset.

When a subset of covered drives was selected and each command in the configuration category was sent to all protected drives, HDL blocked every command sent.

SWB-AO-03. If a subset of all covered drives is specified for protection, then commands from the miscellaneous category shall be blocked for drives in the selected subset.

When a subset of covered drives was selected and each command in the miscellaneous category was sent to all protected drives, HDL blocked every command sent.

SWB-AO-04. If a subset of all covered drives is specified for protection, then commands from the read category shall not be blocked for drives in the selected subset.

When a subset of covered drives was selected and each command in the read category was sent to all protected drives, HDL never blocked any command sent.

SWB-AO-05. If a subset of all covered drives is specified for protection, then commands from the control category shall not be blocked for drives in the selected subset.

When a subset of covered drives was selected and each command in the control category was sent to all protected drives, HDL always blocked two of the commands sent: the recalibrate (0x11) and the extended seek (0x47) commands. HDL never blocked the other commands in the control category.

Test Cases: SWB-23 and SWB-24.

SWB-AO-06. If a subset of all covered drives is specified for protection, then commands from the information category shall not be blocked for drives in the selected subset.

When a subset of covered drives was selected and each command in the information category was sent to all protected drives, HDL never blocked any command sent.

SWB-AO-07. If a subset of all covered drives is specified for protection, then no commands from any category shall be blocked for drives not in the selected subset.

When a subset of covered drives was selected and each command in every category was sent to all unprotected drives, HDL never blocked any command sent.

SWB-AO-08. If the tool is active during the operating system boot and shutdown processes, then no changes are made to any protected drives.

The system was booted with the test harness and HDL and started from the AUTOEXEC.BAT file. Each command in the write category was sent to every protected drive to show that the tool was active. Finally the system was shut down. A SHA1¹ hash value was then computed and compared to a SHA1 hash value computed before the test for each drive used in the test to ensure that after the harness was no longer active, nothing was written to the drives. The SHA1 hash

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¹ The Secure Hash Algorithm (SHA1), developed by NIST, along with NSA, for use with the Digital Signature Standard (DSS) is specified within the Secure Hash Standard (SHS) [National Institute of Standards and Technology (NIST). FIPS Publication 180: Secure Hash Standard (SHS). May 1993.]. SHA-1 [National Institute of Standards and Technology (NIST)].

values computed after the test were the same as the values computed before the test, indicating that no changes to the drives occurred during the test.

SWB-AO-09. If the tool is active and the tool is then deactivated, then no commands to any drive shall be blocked.

The tool was activated, each command in the write category was sent to each protected drive and then the tool was deactivated. Then when all commands in every category were sent to each drive, HDL never blocked any commands sent.

SWB-AO-10. If the tool blocks a command, then the tool shall issue either an audio or a visual signal.

This optional feature is not supported by HDL.

5. Testing Environment

The tests were run in the NIST CFTT lab. This section describes the hardware (test computers and hard drives) available for testing. Not all components were used in testing. The following host computers were used for execution of test cases: Cadfael, Rumpole, Wimsey, JudgeDee, HecRamsey, McCloud, McMillan, and AndWife. Ten hard drives (8 different models, 3 different brands) were used for the tests (Table 5-1).

5.1 Test Computers

Cadfael, Rumpole, Wimsey, and JudgeDee have the following hardware components in common:

Table 5-1. Extended BIOS Host Computer Hardware Components

ASUS CUSL2 Motherboard

BIOS: Award Medallion v6.0

Intel Pentium III (Coppermine) 933Mhz

512,672k Memory

Adaptec 29160N SCSI Adapter card

Plextor CR-RW PX-W124TS Rev: 1.06

Iomega 2GB Jaz drive Rev: E.17

LS-120 Super floppy

Two slots for removable IDE hard disk drives

Two slots for removable SCSI hard disk drive

Rumpole also had a 30GB OnStream SC30 tape drive (not used in the test procedures). JudgeDee had a third slot for a removable IDE hard disk drive.

HecRamsey, McCloud, McMillan, and AndWife have the following hardware components in common (Table 5-2):

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Table 5-2. Alternate Extended BIOS Host Computer Hardware Components

Intel D845WNL Motherboard

BIOS: HV84510A.86A.0022.P05

Intel Pentium IV 2.0Ghz

512,672k Memory

Adaptec 29160 SCSI Adapter card

Tekram DC-390U3W SCSI Adapter card Plextor CR-RW PX-W124TS Rev: 1.06

LG 52X CD-ROM

Floppy drive

Three slots for removable IDE hard disk drives

Two slots for removable SCSI hard disk drive

5.2 Hard Disk Drives

The hard disk drives that were used were selected from the drives listed in Table 5-3. These hard drives were mounted in removable storage modules. Any combination of up to three IDE hard drives and two SCSI hard drives can be installed in Paladin, HecRamsey, McCloud, McMillan, AndWife, Cadfael, Rumpole, Wimsey, or JudgeDee as required for a test. The IDE disks used had jumpers set for cable select. The SCSI ID for the SCSI disks was set to either 0 or 1 as required by the test case.

The hard drives used in testing are described in Table 5-3. The column labeled **Label** is an external identification for the hard drive. The column labeled **Model** is the model identification string obtained from the drive. The **Interface** column identifies the type of interface used to connect the drive to the computer. The **Usable Sectors** column documents the size of the drive in sectors. The column labeled **GB** gives the size of the drive in gigabytes.

Table 5-3.	Hard Di	rives Used	in	Testing

Label	Model	Interface	Usable Sectors	GB
1F	QUANTUM_ATLAS10K3_18_SCA	SCSI	35916547	18.38
2B	QUANTUM QM39100TD-SCA	SCSI	17783249	9.10
64	WDCWD64AA	IDE	12594960	6.44
6F	Maxtor 6Y060L0	IDE	120103200	61.49
8A	WDC WD200EB-00CSF0	IDE	39102336	20.02
90	WDC WD300BB-00CAA0	IDE	58633344	30.02
E3	QUANTUM_ATLAS10K2-TY092J	SCSI	17938985	9.18
E4	QUANTUM_ATLAS10K2-TY092J	SCSI	17938985	9.18
F5	IBM-DTLA-307020	IDE	40188960	20.57
F6	IBM-DTLA-307020	IDE	40188960	20.57

The drives are set up in a variety of ways with the common partition types (FAT16, FAT32, FAT32X, NTFS, and Linux ext2) represented. The setup of each drive is documented in Table 5-4. The column labeled **Drive Label** is an external identification for the hard drive. The column labeled **Partition Table** describes the partition table for the drive. In the partition table description the column labeled **N** is a sequence number. The unlabeled column identifies a primary partition (P), a primary extended partition (X), a secondary partition within an extended partition (S), or an extended partition within an extended partition (x). The column labeled **Start LBA** is the starting logical block address (LBA) of the partition. The column labeled **Length** is

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the length of the partition in sectors. The column labeled **Boot** indicates the boot partition. The column labeled **Partition Type** contains the two-digit hexadecimal partition type code and name of the partition type for common partition types.

Table 5-4. Drive Partition Setup

Drive Label	Partition Table
1F	N Start LBA Length Boot Partition Type
	1 P 000000063 001236942 Boot 0B Fat32
	2 X 001429785 033865020
	3 S 000000063 000208782 83 Linux
	4 x 000208845 000144585 05 extended
	5 S 000000063 000144522
	6 x 000771120 000192780
	7 S 000000063 000192717 16 other
	8 S 000000000 000000000 00 empty entry
	9 P 035294805 000064260 83 Linux
2B	No partition table
64	No partition table
6F	No partition table
8A	No partition table
90	No partition table
E3	N Start LBA Length Boot Partition Type
	1 P 00000063 071681967
	2 P 000000000 000000000 00 empty entry
	3 P 000000000 000000000 00 empty entry
	4 P 000000000 000000000 00 empty entry
E4	N Start LBA Length Boot Partition Type
	1 P 00000063 006152832 Boot 0B Fat32
	2 X 008193150 009735390
	3 S 000000000 000000000 00 empty entry
	3 S 000000000 000000000 00 empty entry 4 x 002056320 001237005 05 extended
	5 S 000000063 001236942 07 NTFS
	6 x 005349645 001638630
	7 S 000000063 001638567 17 other
	8 x 008498385 001237005 05 extended
	9 S 000000063 001236942 1B other
F5	N Start LBA Length Boot Partition Type
FJ	1 P 000000063 001236942 Boot 06 Fat16
	2 X 002249100 007181055 05 extended
	3 S 000000063 000208782 83 Linux
	4 x 000208845 000144585 05 extended
	4 x 000200045 000144505
	5 S 000000063 000144522 06 Fat16 6 x 004450005 000192780 05 extended
	6 x 004450005 000192780
	8 S 000000000 000000000 00 empty entry
T.C	9 P 009430155 006152895 83 Linux
F6	N Start LBA Length Boot Partition Type
	1 P 000000063 006152832 Boot 0B Fat32
	2 X 008193150 031985415
	3 S 000000000 000000000 00 empty entry
	4 x 002056320 001237005 05 extended
	5 S 000000063 001236942 07 NTFS
	6 x 005349645 001638630
	7 S 000000063 001638567 17 other
	8 x 030748410 001237005 05 extended
	9 S 000000063 001236942 1B other

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After the drives were created, a SHA1 hash value was computed for the entire drive (Table 5-5). After testing was finished, a SHA1 hash value was computed again (Table 5-6). The lack of change in the SHA1 hash values indicates that no changes were made to the drives during testing.

Table 5-5. Drive SHA1 Values Before Testing

Drive	SHA1 Hash Value
1F	7DB8B538BC38907FC22B1CA79996D97F77421418
2B	2A7810E851B7392C3D4836A5DFFB5E73E8295C6F
64	8F52C49579C70407FE6D0EDCBE3FD7C42972823A
6F	7C2F5F4FB0D04E5F1B51D0888753A1B125A503EA
8A	891444D852E0C48C4713952B3BDAD89E03C205FD
90	08B4905B4D012401656248C39C904F6072476293
E3	3B0715864B366D08264441DC7F75082F5EE4C0CC
E4	25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
F5	2418FD48F2A94389965E3740303C6160F7F35B5C
F6	8034683D5D55BA51409AC7B5CB0845CA2CF6B235

Table 5-6. Drive SHA1 Values After Testing

Drive	SHA1 Hash Value
1F	7DB8B538BC38907FC22B1CA79996D97F77421418
2B	2A7810E851B7392C3D4836A5DFFB5E73E8295C6F
64	8F52C49579C70407FE6D0EDCBE3FD7C42972823A
6F	7C2F5F4FB0D04E5F1B51D0888753A1B125A503EA
8A	891444D852E0C48C4713952B3BDAD89E03C205FD
90	08B4905B4D012401656248C39C904F6072476293
E3	3B0715864B366D08264441DC7F75082F5EE4C0CC
E4	25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF
F5	2418FD48F2A94389965E3740303C6160F7F35B5C
F6	8034683D5D55BA51409AC7B5CB0845CA2CF6B235

5.3 Support Software

Software Write Block Test Harness (SWBT) Release 1.0 was developed to support the testing of interrupt 13h-based software write block tools. The program DISKWIPE from the FS-TST Release 1.0 package was used in the drive setup procedure. Both FS-TST Release 1.0 and SWBT Release 1.0 can be obtained from http://www.cftt.nist.gov. The support software has components to monitor interrupt 13 activity (TALLY13.COM) and to issue each of the 256 possible interrupt 13 commands (TEST-HDL.EXE). The TEST-HDL program was written in ANSI C and compiled with the Borland C++ compiler version 4.5. The TALLY13 program was written in assembler language and compiled with Borland Turbo Assembler version 5.0. The programs listed in Table 5-7 are required for testing.

Table 5-7. Software Required for Testing

Program	Description
SWB Tool	The software write block tool to be tested.
TALLY13	The interrupt 0x13 monitor program. The monitor program blocks all

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Program	Description
	interrupt 0x13 command functions, counts the number of times each
	function is requested for each drive, and provides an interface for retrieving
	the count of the number of times each command function was requested for
	each drive.
TEST-HDL	The test harness issues (requests) all interrupt 0x13 command functions for
	a specified command category, queries the monitor program to determine if
	the function was blocked or allowed, and then logs the results to a file.
T-OFF	Deactivate TALLY13.

5.4 Run Protocol Selection

Most test cases follow the same test procedures. However, some test cases require a special procedure. The procedure for setting up a selection of hard drives for use in testing is as follows:

- 1. Select a hard drive.
- 2. Use the FS-TST diskwipe program to initialize the drive.
- 3. Create and format partitions on the drive (optional step).
- 4. Compute a reference SHA1 hash of the drive.

The general procedure for executing a test case is as follows:

- 1. Select a test case to execute.
- 2. Install the number of hard drives called for by the test case.
- 3. Boot the test computer into DOS.
- 4. Follow the run protocol for the selected test case.
- 5. Save test case results to an archive location.

The **run protocol** specifies the actual procedures to follow for the test case. Some test cases require different setup procedures and methods to measure results. The values for test parameters such as **return type**, **command category**, **N drives**, and **protection pattern** can be found in *Software Write Block Tool Specification & Test Plan, Version 3.0*. The following protocols are defined:

- Typical
 - 1. Execute the interrupt 0x13 monitor (TALLY13).
 - 2. Execute the SWB tool under test with the specified **return type**.
 - 3. Execute TEST-HDL for the specified **command category**.
- Uninstall
 - 1. Execute the interrupt 0x13 monitor (TALLY13).
 - 2. Execute the SWB tool under test with the specified **return** type.
 - 3. Execute TEST-HDL for the **write** command category.
 - 4. Execute T-OFF to deactivate TALLY13.
 - 5. Uninstall the SWB tool.
 - 6. Execute TEST-HDL for each **command category**.

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- Boot
 - 1. Install the SWB tool. (For DOS systems, include the tool and monitor in the **AUTOEXEC.BAT** file.)
 - 2. Boot the system.
 - 3. Execute TEST-HDL for the **write** command category.
 - 4. Shutdown the system.

The **typical** protocol applies to cases 01–36, the **boot** protocol applies to test cases 37 and 38, and the **uninstall** protocol applies to cases 39 and 40.

6. Interpretation of Test Results

The main item of interest for interpretation of the test results is determining the conformance of the tool to the test assertions. This section lists each test assertion and identifies the information in the log files relevant to conformance with the assertion. Conformance of each assertion tested by a given test case is evaluated by examination of the Commands Executed and the Log File Highlights boxes of the test report summary.

6.1 Test Assertion Verification

This section describes where to find the information needed to verify each test assertion in the test case report.

SWB-AM-01. If a drive is protected and a command from the write category is issued for the protected drive, then the tool shall block the command.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *blocked* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AM-02. If a drive is protected and a command from the configuration category is issued for the protected drive, then the tool shall block the command.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *blocked* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AM-03. If a drive is protected and a command from the miscellaneous category is issued for the protected drive, then the tool shall block the command.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *blocked* for each command sent to a protected drive, the test case conforms to the assertion.

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SWB-AM-04. If a drive is protected and a command from the read category is issued for the protected drive, then the tool shall not block the command.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *allowed* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AM-05. If a drive is protected and a command from the control category is issued for the protected drive, then the tool shall not block the command.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *allowed* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AM-06. If a drive is protected and a command from the information category is issued for the protected drive, then the tool shall not block the command.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *allowed* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AM-07. If the tool is executed, then the tool shall issue a message indicating that the tool is active.

If the Install HDL Log contains the text: "Write Lock successfully installed," then the test case conforms to the test assertion.

SWB-AM-08. If the tool is executed, then the tool shall issue a message indicating all drives accessible by the covered interfaces.

HDL always issued the message "N Hard-Disks reported by Int_13h" to indicate that N drives were accessible by the interface. If N is the same as the number of drives specified on the TEST-HDL command line in the Commands Executed box, then the test case is in conformance with the test assertion

SWB-AM-09. If the tool is executed, then the tool shall issue a message indicating the protection status of each drive attached to a covered interface.

For each covered drive, HDL always issued either the messages "Hard-Disk N Locked!" or "Hard-Disk N Not Locked!" to indicate the protection status of each drive. If drive N is listed on the command line to HDL and the Install HDL log reports drive N as locked, then the test case is in conformance with the test assertion.

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SWB-AM-10. If the tool is configured to return *success* on blocked commands and the tool blocks a command, then the return code shall indicate successful command execution.

HDL was configured to return *success* on blocked commands if an S flag was used on the HDL command line. The return value of blocked commands is *success* if in the Test Harness Log the value of the stat column is 0000 and the value of the Cry column is off.

SWB-AM-11. If the tool is configured to return *fail* on blocked commands and the tool blocks a command, then the return code shall indicate unsuccessful command execution.

HDL was configured to return *fail* on blocked commands if no S flag was used on the HDL command line. The return value of blocked commands is *fail* if in the Test Harness Log the value of the stat column is 0300 and the value of the Cry column is on.

SWB-AO-01. If a subset of all covered drives is specified for protection, then commands from the write category shall be blocked for drives in the selected subset.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *blocked* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AO-02. If a subset of all covered drives is specified for protection, then commands from the configuration category shall be blocked for drives in the selected subset.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *blocked* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AO-03. If a subset of all covered drives is specified for protection, then commands from the miscellaneous category shall be blocked for drives in the selected subset.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *blocked* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AO-04. If a subset of all covered drives is specified for protection, then commands from the read category shall not be blocked for drives in the selected subset.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *allowed* for each command sent to a protected drive, the test case conforms to the assertion.

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SWB-AO-05. If a subset of all covered drives is specified for protection, then commands from the control category shall not be blocked for drives in the selected subset.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *allowed* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AO-06. If a subset of all covered drives is specified for protection, then commands from the information category shall not be blocked for drives in the selected subset.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *allowed* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AO-07. If a subset of all covered drives is specified for protection, then no commands from any category shall be blocked for drives not in the selected subset.

The protected drives are identified on the HDL command line in the Commands Executed box. The unprotected drives are the drives not listed on the HDL command line. The Test Harness Log lists each command sent to each drive. If the action column contains *allowed* for each command sent to an unprotected drive, the test case conforms to the assertion.

SWB-AO-08. If the tool is active during the operating system boot and shutdown processes, then no changes are made to any protected drives.

The protected drives are identified on the HDL command line in the Commands Executed box. The Test Harness Log lists each command sent to each drive. If the action column contains *blocked* for each command sent to a protected drive, the test case conforms to the assertion.

SWB-AO-09. If the tool is active and the tool is then deactivated, then no commands to any drive shall be blocked.

This assertion requires a special test protocol. In the first part of the test, the tool is activated and some write commands are blocked. In the second part of the test, the tool is deactivated and every command is sent to all installed drives. There are two log files for the tool and two log files for the test harness. The tool is allowed to refuse to deactivate. The tool refuses to deactivate if the tool has been configured to return *success* for blocked commands since deactivation might allow a buffered write to take place. If the tool is successfully deactivated, then all commands are allowed to all drives. If the tool does not deactivate, then no change occurs to the protection status of the drives.

A warning message appears in the second instance of the Test Harness Log file. This is normal for test cases SWB-39 and SWB-40. The warning message notes that write commands were allowed to unprotected drives while the tool was active during the first part of the test before the tool was deactivated.

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SWB-AO-10. If the tool blocks a command, then the tool shall issue either an audio or a visual signal.

This optional feature is not supported by HDL.

6.2 Test Results Summary Key

A summary of the actual test results is presented in this report. Table 6-1 presents a description of each section of the test results summary.

Table 6-1. Description of Test Report Summary

Heading	Description
First Line:	Test case ID and name and version of software tested.
Case Summary:	Test case summary from Software Write Block Tool
	Specification & Test Plan, Version 3.0.
Assertions Tested:	The test assertions tested by the test case from <i>Software</i>
	Write Block Tool Specification & Test Plan, Version 3.0.
Tester Name:	Name or initials of person executing test procedure.
Test Date:	Time and date that test was started.
Test PC:	Name of computer where the tool under test was executed.
Test Software:	The name and version of the test software.
Hard Drives Used:	Description of the hard drives used in the test.
Commands Executed:	Documentation of each command executed during the test.
	The protected drives are identified on the HDL command
	line. HDL identifies the drives starting at 0.
Log File Highlights:	Selected entries from the test case log files. There are three log files that may appear. The log file created for TALLY13 is labeled <i>Monitor Execution</i> . The log file created for HDL is labeled <i>Install HDL Log</i> . The log file created by TEST-HDL is labeled <i>Test Harness Log</i> .
	For test cases SWB-39 and SWB-40, there are two separate logs for HDL and also for TEST-HDL because these cases require execution of HDL twice.
	The Monitor Execution log file records the program version and the date that the TALLY13 program was executed.
	The HDL log file is obtained by output redirection of the execution of HDL. The log file contains the version of HDL used (V0.8), the number of drives identified, and the protection status of each drive.
	The Test Harness Log is the record of commands sent to HDL and the action taken by HDL to either block or allow

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Heading	0 1	
	each command sent. The format of the file is as follows:	
	 Command line: The command line used to execute TEST-HDL. This line begins with the string CMD. Case number. Interrupt 0x13 Functions: The category of interrupt 0x13 functions tested by this case. Date. Version: Version information about TEST-HDL and components. The creation date, creation time, and version of each source code component is listed. The compile time and date for the executable program is listed. Operator: The operator running the test. Host: The host computer running the test. Drives: The number of drives and the external drive label for each drive. 	
	The next two items are repeated for each installed drive.	
	 List of commands sent: Each line of the list has 9 columns: sequence number, test case number, command code in hex (Cmd), drive number in hex (Drv), action taken by HDL (either <i>blocked</i> or <i>allowed</i>), return status (0000 means success, 0300 means fail), carry flag value (labeled Cry with values of either <i>on</i> indicating failure status, or <i>off</i> indicating success status), count of the number of times the command was allowed by HDL, and the command name (or undefined for commands in the miscellaneous category). Summary of commands for the drive: The message indicates the number of commands blocked out of the number of commands sent. The last item is a summary of all the commands sent to all drives, the number of commands sent, the number blocked, and the number allowed (not blocked). 	
Results:	Expected and actual results for each assertion tested.	
Analysis:	Whether or not the expected results were achieved.	

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7. Test Results Summaries

Case SWB-01 HDL -	Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002		
Case Summary:	SWB-01 Install all drives, configure return code to failure, protect		
	all drives, execute write commands.		
Assertions	SWB-AM-01. If a drive is protected and a command from the write		
Tested:	category is issued for the protected drive then the tool shall		
	block the command.		
	SWB-AM-07. If the tool is executed then the tool shall issue a message		
	indicating that the tool is active.		
	SWB-AM-08. If the tool is executed then the tool shall issue a message		
	indicating all drives accessible by the covered interfaces.		
	SWB-AM-09. If the tool is executed then the tool shall issue a message		
	indicating the protection status of each drive attached to a		
	covered interface.		
	SWB-AM-11. If the tool is configured to return fail on blocked commands		
	and the tool blocks a command then the return code shall indicate		
	unsuccessful command execution.		
Tester Name:	JRL		
Test Date:	Sun Aug 31 09:26:28 2003		
Test PC:	Wimsey		
Test Software:	SWBT 1.0		
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors		
Used:	Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors		
	Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		
	Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249		
	sectors		
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]		
Executed:	tally13		
	hd18 0123		
	test-hdl SWB-01 Wimsey JRL w 90 8A E4 2B		
	Shutdown Test PC		
Log File	**** Monitor Execution ****		
2			
Highlights:	Monitor BIOS interrupt 13h (disk service)		
	tally13 compiled on 07/29/03 at 07:33:17		
	@(#) Version 1.1 Created 07/29/03 at 07:28:05		
	Now (08/31/03 at 09:26:25) Going TSR		
	***** Install HDL Log *****		
	HDL Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002		
	Royal Canadian Mounted Police		
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED		
	Licensee: US Dept. Commerce / NIST S/W Testing		
	4 Hard-Disks reported by Int 13h		
	Hard-Disk 0 Locked! Hard-Disk 1 Locked!		
	Hard-Disk 2 Locked!		
	Hard-Disk 3 Locked!		
	Write Lock successfully installed.		
	***** Test Harness Log *****		
	CMD: A:\TEST-HDL.EXE SWB-01 Wimsey JRL w 90 8A E4 2B		
	Case: SWB-01		
	Command set: Write		
	Date: Sun Aug 31 09:26:28 2003		
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51		
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19		
	Compiled on Aug 31 2003 at 08:10:54		
	Operator: JRL		
	Host: Wimsey		
	Number of drives 4, Drives: 90 8A E4 2B		
	Case Cmd Drv Action Stat Cry Count Cmd Name		
	0 SWB-01 <03> 80 Blocked 0300 On 0 WriteSectors		
	1 SWB-01 <0B> 80 Blocked 0300 On 0 WriteLong		
	2 SWB-01 <43> 80 Blocked 0300 On		
	Results for SWB-01 category w on drive 80 All commands blocked (3 of 3)		
	0 SWB-01 <03> 81 Blocked 0300 On 0 WriteSectors		
	I U awp-ul SU32 &L Blocked U3UU UN U WrlteSectors		
	1 SWB-01 <0B> 81 Blocked 0300 On		
	1 SWB-01 <0B> 81 Blocked 0300 On		
	1 SWB-01 <0B> 81 Blocked 0300 On 0 WriteLong 2 SWB-01 <43> 81 Blocked 0300 On 0 ExtWrite Results for SWB-01 category w on drive 81 All commands blocked (3 of 3)		
	1 SWB-01 <0B> 81 Blocked 0300 On		

Case SWB-01 HD	L Int_13 Hard	d Disk Write Lock V0.8 021126	© RCMP 1993-2002
	2 SWB-01 <	<43> 82 Blocked 0300 On () ExtWrite
	Results for	SWB-01 category w on drive 82	2 All commands blocked (3 of 3)
	0 SWB-01 <	<03> 83 Blocked 0300 On () WriteSectors
	1 SWB-01 <	<pre><0B> 83 Blocked 0300 On ()</pre>) WriteLong
	2 SWB-01 <	<43> 83 Blocked 0300 On (O ExtWrite
	Results for	SWB-01 category w on drive 83	3 All commands blocked (3 of 3)
	Summary: 12	sent, 12 blocked, 0 not block	ked
Results:			
icourco.	Assertion	Expected Results	Actual Results
	AM-01	All cmds to drive 80	All cmds to drive 80
		blocked	blocked
	AM-01	All cmds to drive 81	All cmds to drive 81
		blocked	blocked
	AM-01	All cmds to drive 82	All cmds to drive 82
		blocked	blocked
	AM-01	All cmds to drive 83	All cmds to drive 83
		blocked	blocked
	AM-07	Tool active message	Tool active message
	AM-08	4 drives identified	4 drives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09	Drive 81 is protected	Drive 81 is protected
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-09	Drive 83 is protected	Drive 83 is protected
	AM-11	12 Commands return fail	12 Commands return fail
		•	•
Analysis:		cted results achieved	

Case SWB-02 HDL	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-02 Install two drives, configure return code to success, protect
	all drives, execute write commands.
Assertions	SWB-AM-01. If a drive is protected and a command from the write
Tested:	category is issued for the protected drive then the tool shall
	block the command.
	SWB-AM-07. If the tool is executed then the tool shall issue a message indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
Tester Name:	JRL
Test Date:	Sun Aug 31 08:55:14 2003
Test PC:	Wimsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hd18 S01
	test-hdl SWB-02 Wimsey JRL w 90 64
	Shutdown Test PC
Log File	***** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 08:55:12) Going TSR ***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	2 Hard-Disks reported by Int 13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Write Lock successfully installed.

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Case SWB-02 F	IDL INC_IS HAIC		
	**** Test F	Harness Log *****	
	CMD: A:\TEST	T-HDL.EXE SWB-02 Wimsey JRL w	90 64
	Case: SWB-02	2	
	Command set:	: Write	
	Date: Sun Au	ıg 31 08:55:14 2003	
	@(#) Comp Operator: JF Host: Wimsey Number of dr Case C 0 SWB-02 < 1 SWB-02 < 2 SWB-02 <	rives 2, Drives: 90 64 Cmd Drv Action Stat Cry Coun <03> 80 Blocked 0000 Off <0B> 80 Blocked 0000 Off <43> 80 Blocked 0000 Off	d 08/31/03 at 08:18:19 54 c Cmd Name 0 WriteSectors 0 WriteLong 0 ExtWrite
	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for	SWB-02 category w on drive 80 (03> 81 Blocked 0000 Off (0B> 81 Blocked 0000 Off (43> 81 Blocked 0000 Off (SWB-02 category w on drive 80 sent, 6 blocked, 0 not blocked	O WriteSectors O WriteLong O ExtWrite I All commands blocked (3 of 3)
Results:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 s	<pre><03> 81 Blocked 0000 Off <0B> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off SWB-02 category w on drive 8 sent, 6 blocked, 0 not blocked</pre>	O WriteSectors O WriteLong O ExtWrite I All commands blocked (3 of 3)
esults:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 S	<pre><03> 81 Blocked 0000 Off <0B> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off SWB-02 category w on drive 8 sent, 6 blocked, 0 not blocked</pre> <pre>Expected Results</pre>	<pre>WriteSectors WriteLong ExtWrite All commands blocked (3 of 3) Actual Results</pre>
esults:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 s	<pre><03> 81 Blocked 0000 Off <0B> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off SWB-02 category w on drive 8.sent, 6 blocked, 0 not blocked Expected Results All cmds to drive 80</pre>	WriteSectors WriteLong ExtWrite All commands blocked (3 of 3) Actual Results All cmds to drive 80
esults:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 s	<pre><03> 81 Blocked 0000 Off <0B> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off SWB-02 category w on drive 8 sent, 6 blocked, 0 not blocked Expected Results All cmds to drive 80 blocked</pre>	O WriteSectors O WriteLong O ExtWrite I All commands blocked (3 of 3) I Actual Results All cmds to drive 80 blocked
esults:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 S	<pre> (03> 81 Blocked 0000 Off (0B> 81 Blocked 0000 Off (43> 81 Blocked 0000 Off SWB-02 category w on drive 8 sent, 6 blocked, 0 not blocked Expected Results All cmds to drive 80 blocked All cmds to drive 81</pre>	O WriteSectors O WriteLong O ExtWrite I All commands blocked (3 of 3) I Actual Results All cmds to drive 80 blocked All cmds to drive 81
esults:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 S	<pre> <03> 81 Blocked 0000 Off <0B> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off SWB-02 category w on drive 8 sent, 6 blocked, 0 not blocked Expected Results All cmds to drive 80 blocked All cmds to drive 81 blocked</pre>	O WriteSectors O WriteLong O ExtWrite I All commands blocked (3 of 3) I Actual Results All cmds to drive 80 blocked All cmds to drive 81 blocked
esults:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 S Assertion AM-01 AM-01 AM-07	<pre> <03> 81 Blocked 0000 Off <0B> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off SWB-02 category w on drive 8 sent, 6 blocked, 0 not blocked Expected Results All cmds to drive 80 blocked All cmds to drive 81 blocked Tool active message</pre>	O WriteSectors O WriteLong O ExtWrite I All commands blocked (3 of 3) I Actual Results All cmds to drive 80 blocked All cmds to drive 81 blocked Tool active message
esults:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 S	<pre> (03> 81 Blocked 0000 Off (0B> 81 Blocked 0000 Off (43> 81 Blocked 0000 Off SWB-02 category w on drive 8 sent, 6 blocked, 0 not blocked Expected Results</pre>	O WriteSectors O WriteLong O ExtWrite I All commands blocked (3 of 3) I Actual Results All cmds to drive 80 blocked All cmds to drive 81 blocked Tool active message 2 drives identified
esults:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 S Assertion AM-01 AM-01 AM-07	<pre> <03> 81 Blocked 0000 Off <0B> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off <43> 81 Blocked 0000 Off SWB-02 category w on drive 8 sent, 6 blocked, 0 not blocked Expected Results All cmds to drive 80 blocked All cmds to drive 81 blocked Tool active message 2 drives identified Drive 80 is protected </pre>	WriteSectors WriteLong ExtWrite All commands blocked (3 of 3) Actual Results All cmds to drive 80 blocked All cmds to drive 81 blocked Tool active message 2 drives identified Drive 80 is protected
esults:	0 SWB-02 < 1 SWB-02 < 2 SWB-02 < Results for Summary: 6 SWB-01	<pre> (03> 81 Blocked 0000 Off (0B> 81 Blocked 0000 Off (43> 81 Blocked 0000 Off SWB-02 category w on drive 8 sent, 6 blocked, 0 not blocked Expected Results</pre>	O WriteSectors O WriteLong O ExtWrite I All commands blocked (3 of 3) I Actual Results All cmds to drive 80 blocked All cmds to drive 81 blocked Tool active message 2 drives identified

	Int_13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002
Case Summary:	SWB-03 Install one drive, configure return code to failure, protect all drives, execute configuration commands.
Assertions Tested:	SWB-AM-02. If a drive is protected and a command from the configuration category is issued for the protected drive then the tool shall block the command. SWB-AM-07. If the tool is executed then the tool shall issue a message indicating that the tool is active. SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a message indicating the protection status of each drive attached to a covered interface. SWB-AM-11. If the tool is configured to return fail on blocked commands and the tool blocks a command then the return code shall indicate unsuccessful command execution.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:00:42 2003
Test PC:	McCloud
Test Software:	SWBT 1.0
Hard Drives Used:	Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors
Commands Executed:	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222] tally13 hdl8 0 test-hdl SWB-03 McCloud JRL x 8A Shutdown Test PC
Log File Highlights:	***** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:00:35) Going TSR ***** Install HDL Log *****

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HDL Int 13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAOTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 1 Hard-Disk of Locked! Write Lock successfully installed. ***** Test Harness Log ***** CMn: A:\Test-HBL.EXE SWB-03 McCloud JRL x 8A Case: SWB-03 Command set: Configure Date: Sun Aug 31 09:00:42 2003 Version: 0(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 0(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: McCloud Number of drives 1, Drives: 8A Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-03 <05> 80 Blocked 0300 On 0 FormatTrack 1 SWB-03 <06> 80 Blocked 0300 On 0 FormatCyl 3 SWB-03 <07> 80 Blocked 0300 On 0 FormatCyl 3 SWB-03 <07> 80 Blocked 0300 On 0 FormatCyl 3 SWB-03 <07> 80 Blocked 0300 On 0 FormatCyl 3 SWB-03 <07> 80 Blocked 0300 On 0 DiagnosticESDI 5 SWB-03 <07> 80 Blocked 0300 On 0 DiagnosticESDI 5 SWB-03 <07> 80 Blocked 0300 On 0 DiagnosticESDI 6 SWB-03 <12> 80 Blocked 0300 On 0 DiagnosticESDI 7 SWB-03 <13> 80 Blocked 0300 On 0 DiagnosticEDI 8 SWB-03 <12> 80 Blocked 0300 On 0 DiagnosticEDI 9 SWB-03 <13> 80 Blocked 0300 On 0 DiagnosticEDI Results for SWB-03 category x on drive 80 All commands blocked (9 of 9) Summary: 9 sent, 9 blocked, 0 not blocked AM-02 All cmds to drive 80 All commands blocked (9 of 9) Summary: 9 sent, 9 blocked, 0 not blocked AM-08 1 drive identified 1 drive identified AM-09 Drive 80 is protected AM-08 1 drive identified 1 drive identified AM-09 Drive 80 is protected AM-01 Tool active message AM-08 1 drive identified 1 drive identified AM-09 Drive 80 is protected AM-01 Tool active message Tool active message	Case SWB-03 HDI	Int 13 Hard	Disk Write Lock VO.8 021126	© RCMP 1993-2002	
1 Hard-Disks reported by Int_13h			Royal Canadian Mounted Po	lice	
CMD: A:\TEST-HDL.EXE SWB-03 McCloud JRL x 8A Case: SWB-03 Command set: Configure Date: Sun Aug 31 09:00:42 2003 Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51		1 Ha Hard-	1 Hard-Disks reported by Int_13h Hard-Disk 0 Locked! Write Lock successfully installed.		
Command set: Configure Date: Sun Aug 31 09:00:42 2003			2	8A	
Date: Sun Aug 31 09:00:42 2003 Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51					
Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51					
Assertion Expected Results AM-02 All cmds to drive 80 All cmds to drive 80 blocked AM-07 Tool active message Tool active message AM-08 1 drive identified 1 drive identified AM-09 Drive 80 is protected Drive 80 is protected		@(#) Comp Operator: JF Host: McClot Number of dr Case (0 SWB-03 < 1 SWB-03 < 2 SWB-03 < 3 SWB-03 < 4 SWB-03 < 5 SWB-03 < 6 SWB-03 < 7 SWB-03 < 8 SWB-03 < Results for	wb-defs.h Version 1.2 Created iled on Aug 31 2003 at 08:10:3 kL and a sives 1, Drives: 8A cmd Drv Action Stat Cry Count 105> 80 Blocked 0300 On 00:06> 80 Blocked 0300 On 00:07> 80 Blocked 0300 On 00:06> 80 Blocked 0300 On 00:0	Cmd Name FormatTrack FormatBadSectors FormatCyl InitDriveParms DiagnosticESDI DiagnosticESDI DiagnosticRAM DiagnosticDrive DiagnosticTL All commands blocked (9 of 9)	
AM-02 All cmds to drive 80 All cmds to drive 80 blocked AM-07 Tool active message Tool active message AM-08 1 drive identified 1 drive identified AM-09 Drive 80 is protected Drive 80 is protected	Results:				
blocked blocked AM-07 Tool active message Tool active message AM-08 1 drive identified 1 drive identified AM-09 Drive 80 is protected Drive 80 is protected					
AM-08 1 drive identified 1 drive identified AM-09 Drive 80 is protected Drive 80 is protected		AM-02			
AM-09 Drive 80 is protected Drive 80 is protected		AM-07	Tool active message	Tool active message	
		AM-08		1 drive identified	
AM-11 9 Commands return fail 9 Commands return fail		AM-09	Drive 80 is protected	Drive 80 is protected	
		AM-11	9 Commands return fail	9 Commands return fail	
Analysis: SWB-03 Expected results achieved	Analysis:	SWB-03 Exped	ted results achieved		

Cons CER OA HDI	Tet 12 Hand Diele Weite Teel VO 0 001100 @ DOWN 1002 0000			
	Int_13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002			
Case Summary:	SWB-04 Install all drives, configure return code to success, protect			
	all drives, execute configuration commands.			
Assertions	SWB-AM-02. If a drive is protected and a command from the configuration			
Tested:	category is issued for the protected drive then the tool shall			
	block the command.			
	SWB-AM-07. If the tool is executed then the tool shall issue a message			
	indicating that the tool is active.			
	SWB-AM-08. If the tool is executed then the tool shall issue a message			
	indicating all drives accessible by the covered interfaces.			
	SWB-AM-09. If the tool is executed then the tool shall issue a message			
	indicating the protection status of each drive attached to a			
	covered interface.			
	SWB-AM-10. If the tool is configured to return success on blocked			
	commands and the tool blocks a command then the return code shall			
	indicate successful command execution.			
Tester Name:	JRL			
Test Date:	Sun Aug 31 09:29:00 2003			
Test PC:	HecRamsey			
Test Software:	SWBT 1.0			
Hard Drives	Drive 80, label F5 is an IBM-DTLA-307020 with 40188960 sectors			
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors			
	Drive 82, label 6F is a Maxtor 6Y060L0 with 120103200 sectors			
	Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors			
	Drive 84, label 1F is a Quantum ATLAS10K3 18 SCA Drive with 35916548			
	sectors			

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Case SWB-04 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hd18 S01234 test-hd1 SWB-04 HecRamsey JRL x F5 64 6F E3 1F
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:28:53) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	5 Hard-Disks reported by Int 13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Locked! Hard-Disk 3 Locked!
	Hard-Disk 4 Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-04 HecRamsey JRL x F5 64 6F E3 1F Case: SWB-04
	Command set: Configure
	Date: Sun Aug 31 09:29:00 2003
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL
	Host: HecRamsey
	Number of drives 5, Drives: F5 64 6F E3 1F
	Case Cmd Drv Action Stat Cry Count Cmd Name
	0 SWB-04 <05> 80 Blocked 0000 Off 0 FormatTrack 1 SWB-04 <06> 80 Blocked 0000 Off 0 FormatBadSectors
	2 SWB-04 <07> 80 Blocked 0000 Off
	2 SWB-04 <07> 80 Blocked 0000 Off 0 FormatCyl 3 SWB-04 <09> 80 Blocked 0000 Off 0 InitDriveParms
	4 SWB-04 <0E> 80 Blocked 0000 Off 0 DiagnosticESDI 5 SWB-04 <0F> 80 Blocked 0000 Off 0 DiagnosticESDI
	5 SWB-04 <0F> 80 Blocked 0000 Off
	6 SWB-04 <12> 80 Blocked 0000 Off 0 DiagnosticRAM 7 SWB-04 <13> 80 Blocked 0000 Off 0 DiagnosticDrive
	8 SWB-04 <14> 80 Blocked 0000 Off 0 DiagnosticCTL
	Results for SWB-04 category x on drive 80 All commands blocked (9 of 9)
	0 SWB-04 <05> 81 Blocked 0000 Off 0 FormatTrack
	1 SWB-04 <06> 81 Blocked 0000 Off
	2 SWB-04 <07> 81 Blocked 0000 Off 0 FormatCyl 3 SWB-04 <09> 81 Blocked 0000 Off 0 InitDriveParms
	4 SWB-04 <0E> 81 Blocked 0000 Off
	5 SWB-04 <0F> 81 Blocked 0000 Off 0 DiagnosticESDI
	6 SWB-04 <12> 81 Blocked 0000 Off
	7 SWB-04 <13> 81 Blocked 0000 Off 0 DiagnosticDrive 8 SWB-04 <14> 81 Blocked 0000 Off 0 DiagnosticCTL
	Results for SWB-04 category x on drive 81 All commands blocked (9 of 9)
	0 SWB-04 <05> 82 Blocked 0000 Off 0 FormatTrack
	1 SWB-04 <06> 82 Blocked 0000 Off 0 FormatBadSectors
	2 SWB-04 <07> 82 Blocked 0000 Off
	3 SWB-04 <09> 82 Blocked 0000 Off
	5 SWB-04 <0F> 82 Blocked 0000 Off
	6 SWB-04 <12> 82 Blocked 0000 Off
	7 SWB-04 <13> 82 Blocked 0000 Off 0 DiagnosticDrive
	8 SWB-04 <14> 82 Blocked 0000 Off 0 DiagnosticCTL
	Results for SWB-04 category x on drive 82 All commands blocked (9 of 9) 0 SWB-04 <05> 83 Blocked 0000 Off 0 FormatTrack
	1 SWB-04 <06> 83 Blocked 0000 Off 0 FormatFrack
	2 SWB-04 <07> 83 Blocked 0000 Off
	3 SWB-04 <09> 83 Blocked 0000 Off 0 InitDriveParms
	4 SWB-04 <0E> 83 Blocked 0000 Off
	5 SWB-04 <0F> 83 Blocked 0000 Off
	6 SWB-04 <12> 83 Blocked 0000 Off 0 DiagnosticRAM

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Case SWB-04 HDL	Int_13 Hard	d Disk Write Lock V0.8 021126 @	RCMP 1993-2002
	8 SWB-04 < Results for 0 SWB-04 < 1 SWB-04 < 2 SWB-04 < 3 SWB-04 < 4 SWB-04 < 5 SWB-04 < 6 SWB-04 < 7 SWB-04 < 8 SWB-04 <	314> 83 Blocked 0000 Off 0 SWB-04 category x on drive 83 305> 84 Blocked 0000 Off 0 306> 84 Blocked 0000 Off 0 307> 84 Blocked 0000 Off 0 309> 84 Blocked 0000 Off 0	All commands blocked (9 of 9) FormatTrack FormatBadSectors FormatCyl InitDriveParms DiagnosticESDI DiagnosticESDI DiagnosticEAM DiagnosticCTL All commands blocked (9 of 9)
Results:			
	Assertion	Expected Results	Actual Results
	AM-02	All cmds to drive 80	All cmds to drive 80
		blocked	blocked
	AM-02	All cmds to drive 81	All cmds to drive 81
		blocked	blocked
	AM-02	All cmds to drive 82	All cmds to drive 82
		blocked	blocked
	AM-02	All cmds to drive 83	All cmds to drive 83
	00	blocked	blocked
	AM-02	All cmds to drive 84	All cmds to drive 84
	AM-07	blocked	blocked
	AM-07 AM-08	Tool active message 5 drives identified	Tool active message 5 drives identified
	AM-08 AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09 AM-09	Drive 80 is protected Drive 81 is protected	Drive 81 is protected
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-09 AM-09	Drive 83 is protected	Drive 83 is protected
	AM-09 AM-09	Drive 84 is protected	Drive 83 is protected Drive 84 is protected
	AM-10	45 Commands return success	45 Commands return success
	Ari 10	45 Commands return success	45 Commands return success
Analysis:	CMD_OA E	cted results achieved	
AHALYSIS.	SWD-04 EXPEC	red resurts acuteved	

Case SWB-05 HDL Int_13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002 Case Summary: SWB-05 Install two drives, configure return code to failure, prote				
case summary:	all drives, execute miscellaneous commands.			
Assertions	· · · · · · · · · · · · · · · · · · ·			
Tested:	SWB-AM-03. If a drive is protected and a command from the miscellan category is issued for the protected drive then the tool shall block the command. SWB-AM-07. If the tool is executed then the tool shall issue a mess			
	indicating that the tool is active.			
	SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces.			
	SWB-AM-09. If the tool is executed then the tool shall issue a message indicating the protection status of each drive attached to a covered interface.			
	SWB-AM-11. If the tool is configured to return fail on blocked commands and the tool blocks a command then the return code shall indicate unsuccessful command execution.			
Tester Name:	JRL			
Test Date:	Sun Aug 31 09:18:47 2003			
Test PC:	Cadfael			
Test Software:	SWBT 1.0			
Hard Drives	Drive 80, label F5 is an IBM-DTLA-307020 with 40188960 sectors			
Used:	Drive 81, label F6 is an IBM-DTLA-307020 with 40188960 sectors			
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]			
Executed:	tally13			
	hdl8 01			
	test-hdl SWB-05 Cadfael JRL m F5 F6			
	Shutdown Test PC			
Log File	**** Monitor Execution ****			
Highlights:	Monitor BIOS interrupt 13h (disk service)			
	tally13 compiled on 07/29/03 at 07:33:17			
	@(#) Version 1.1 Created 07/29/03 at 07:28:05			
	Now (08/31/03 at 09:18:40) Going TSR			

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```
Case SWB-05 HDL -- Int 13 Hard Disk Write Lock V0.8 021126 @ RCMP 1993-2002
                 ***** Install HDL Log ****
                HDL -- Int 13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002
                       --- Royal Canadian Mounted Police ----
                       UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
                       Licensee: US Dept. Commerce / NIST S/W Testing
                       2 Hard-Disks reported by Int 13h
                       Hard-Disk O
                                     Locked!
                       Hard-Disk 1
                                     Locked!
                       Write Lock successfully installed.
                 ***** Test Harness Log *****
                 CMD: A:\TEST-HDL.EXE SWB-05 Cadfael JRL m F5 F6
                 Case: SWB-05
                 Command set: Misc
                 Date: Sun Aug 31 09:18:47 2003
                Version: @(\#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
                        @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
                        Compiled on Aug 31 2003 at 08:10:54
                 Operator: JRL
                 Host: Cadfael
                Number of drives 2, Drives: F5 F6
                     Case Cmd Drv Action Stat Cry Count Cmd Name
                  0 SWB-05 <16> 80 Blocked 0300 On 0 Undefined
                         misc commands 17-FD results omitted
                         see log files for full results
                Results for SWB-05 category m on drive 80 All commands blocked (228 of
                228)
                  0 SWB-05 <16> 81 Blocked 0300 On
                                                     0 Undefined
                         misc commands 17-FD results omitted
                         see log files for full results
                Results for SWB-05 category m on drive 81 All commands blocked (228 of
                 Summary: 456 sent, 456 blocked, 0 not blocked
Results:
                 Assertion Expected Results
                                                        Actual Results
                  AM-03
                             All cmds to drive 80
                                                         All cmds to drive 80
                             blocked
                                                         blocked
                             All cmds to drive 81
                                                         All cmds to drive 81
                  AM-03
                             blocked
                                                         blocked
                  AM-07
                             Tool active message
                                                         Tool active message
                                                         2 drives identified
                  AM-08
                             2 drives identified
                  AM-09
                             Drive 80 is protected
                                                        Drive 80 is protected
                                                         Drive 81 is protected
                  AM-09
                             Drive 81 is protected
                  AM-1\overline{1}
                             456 Commands return fail
                                                         456 Commands return fail
Analysis:
                SWB-05 Expected results achieved
```

Case SWB-06 HDL -	- Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-06 Install one drive, configure return code to success, protect all
	drives, execute miscellaneous commands.
Assertions	SWB-AM-03. If a drive is protected and a command from the miscellaneous
Tested:	category is issued for the protected drive then the tool shall
	block the command.

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Case SWB-06 HDL Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002					
Case SMD-00 UDT -		f the tool is executed then the			
		I the tool is executed then tr ing that the tool is active.	ie coor sharr issue a message		
		ing that the tool is active. f the tool is executed then th	ne tool shall issue a massace		
		ing all drives accessible by the			
		f the tool is executed then the ing the protection status of e			
		5 1	ach drive attached to a		
		interface.			
		f the tool is configured to re			
		s and the tool blocks a comman e successful command execution			
		e successiul command execution	•		
Tester Name:	JRL				
Test Date:		8:08:23 2003			
Test PC:	AndWife				
Test Software:	SWBT 1.0				
Hard Drives	Drive 80, la	bel E4 is a QUANTUM ATLAS10K2-	-TY092J with 17938985 sectors		
Used:					
Commands	Boot Test PC	to (DOS 7.1) Windows 98 [Vers	sion 4.10.2222]		
Executed:	tally13				
	hdl8 S0				
	test-hdl SWB	-06 AndWife JRL m E4			
	Shutdown Tes	t PC			
Log File	**** Monito	r Execution *****			
Highlights:	Monitor BIOS	interrupt 13h (disk service)			
		piled on 07/29/03 at 07:33:17			
	_	1.1 Created 07/29/03 at 07:28	3:05		
		3 at 08:08:15) Going TS			
		1 HDL Log ****			
		3 Hard Disk Write Lock V0.8 02	21126 (c)RCMP 1993-2002		
		Royal Canadian Mounted Pol			
		HORIZED USE / DISTRIBUTION E			
	0111101	nonibbb odb , bioinibolion i			
	Licen	see: US Dept. Commerce / NIST	S/W Testing		
		rd-Disks reported by Int 13h	b, w resering		
		Disk 0 Locked!			
		Lock successfully installed.			
		arness Log ****			
		-HDL.EXE SWB-06 AndWife JRL m	F A		
	Case: SWB-06		E1		
	Command set: Misc Date: Thu Aug 28 08:08:23 2003				
	Date. Illu Au	g 20 00.00.23 2003			
	Vargion: 0/#) test-hdl.cpp Version 1.1 Cre	22+0d 00/23/03 a+ 10.13.51		
		wb-defs.h Version 1.2 Created			
	_	iled on Aug 31 2003 at 08:10:5	4		
	Operator: JR				
	Host: AndWif				
		ives 1, Drives: E4	Cred Name		
		md Drv Action Stat Cry Count			
		16> 80 Blocked 0000 Off 0	unaerinea		
	•••				
	misc commands 17-FD results omitted				
	and lon files for full manuals				
	see log files for full results				
	• • •				
	006 07 06	TT. 00 T1 1 1 0000 755			
	226 SWB-06 <fe> 80 Blocked 0000 Off</fe>				
	227 SWB-06 <ff> 80 Blocked 0000 Off</ff>				
	Results for SWB-06 category m on drive 80 All commands blocked (228 of				
	228)				
	Summary: 228 sent, 228 blocked, 0 not blocked				
D 1:					
Results:	l	:			
	Assertion	Expected Results	Actual Results		
	AM-03	All cmds to drive 80	All cmds to drive 80		
		blocked	blocked		
	AM-07	Tool active message	Tool active message		
	AM-08	1 drive identified	1 drive identified		
	AM-09	Drive 80 is protected	Drive 80 is protected		
	AM-10	228 Commands return success	228 Commands return success		
1	l L				

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Case SWB-06 HDL -	- Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Analysis:	SWB-06 Expected results achieved

Case SWB-07 HDL -	Int 13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002
Case Summary:	SWB-07 Install all drives, configure return code to failure, protect
_	all drives, execute read commands.
Assertions	SWB-AM-04. If a drive is protected and a command from the read category
Tested:	is issued for the protected drive then the tool shall not block the
	command.
	SWB-AM-07. If the tool is executed then the tool shall issue a message
	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands
	and the tool blocks a command then the return code shall indicate
	unsuccessful command execution.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:31:05 2003
Test PC:	Wimsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors
Used:	Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors
	Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249
	sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hd18 0123
	test-hdl SWB-07 Wimsey JRL r 90 8A E4 2B
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:31:02) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	4 Hard-Disks reported by Int_13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Locked!
	Hard-Disk 3 Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-07 Wimsey JRL r 90 8A E4 2B
	Case: SWB-07
	Command set: Read
	Date: Sun Aug 31 09:31:05 2003
	Vancian, 0/#) tack hall and Vancian 1 1 Guarded 00/22/02 at 10:12:51
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54
	Operator: JRL
	Host: Wimsey
	Number of drives 4, Drives: 90 8A E4 2B Case Cmd Drv Action Stat Cry Count Cmd Name
	0 SWB-07 <02> 80 Allowed 0000 Off 1 ReadSectors
	2 SWB-07 <42> 80 Allowed 0000 Off 1 ExtRead
	Results for SWB-07 category r on drive 80 No commands blocked (0 of 3)
	0 SWB-07 <02> 81 Allowed 0000 Off 1 ReadSectors
	1 SWB-07 <0A> 81 Allowed 0000 Off 1 ReadLong 2 SWB-07 <42> 81 Allowed 0000 Off 1 ExtRead
	Results for SWB-07 category r on drive 81 No commands blocked (0 of 3)
	0 SWB-07 <02> 82 Allowed 0000 Off 1 ReadSectors

Case SWB-07 HD	L Int_13 Hard	Disk Write Lock VO.8 021126 @	RCMP 1993-2002
	2 SWB-07 < Results for 0 SWB-07 < 1 SWB-07 < 2 SWB-07 < Results for	0A> 82 Allowed 0000 Off 1 42> 82 Allowed 0000 Off 1 SWB-07 category r on drive 82 02> 83 Allowed 0000 Off 1 0A> 83 Allowed 0000 Off 1 42> 83 Allowed 0000 Off 1 542> 83 Allowed 0000 Off 1 SWB-07 category r on drive 83 sent, 0 blocked, 12 not blocked	ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead No commands blocked (0 of 3)
Results:			
	Assertion	Expected Results	Actual Results
	AM-04	No cmds to drive 80 blocked	No cmds to drive 80 blocked
	AM-04	No cmds to drive 81 blocked	No cmds to drive 81 blocked
	AM-04	No cmds to drive 82 blocked	No cmds to drive 82 blocked
	AM-04	No cmds to drive 83 blocked	No cmds to drive 83 blocked
	AM-07	Tool active message	Tool active message
	AM-08	4 drives identified	4 drives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09	Drive 81 is protected	Drive 81 is protected
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-09	Drive 83 is protected	Drive 83 is protected
	AM-11	0 Commands return fail	0 Commands return fail
Analysis:	SWB-07 Expec	ted results achieved	

- Int_13 Hard Disk Write Lock V0.8 021126 @ RCMP 1993-2002
SWB-08 Install two drives, configure return code to success, protect
all drives, execute read commands.
SWB-AM-04. If a drive is protected and a command from the read category
is issued for the protected drive then the tool shall not block the command.
SWB-AM-07. If the tool is executed then the tool shall issue a message
indicating that the tool is active.
SWB-AM-08. If the tool is executed then the tool shall issue a message
indicating all drives accessible by the covered interfaces.
SWB-AM-09. If the tool is executed then the tool shall issue a message
indicating the protection status of each drive attached to a
covered interface.
SWB-AM-10. If the tool is configured to return success on blocked
commands and the tool blocks a command then the return code shall
indicate successful command execution.
JRL
Sun Aug 31 08:06:45 2003
Rumpole
SWBT 1.0
Drive 80, label 2B is a Quantum QM39100TD-SCA Drive with 17783249
sectors
Drive 81, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548
sectors Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
tally13
hdl8 S01
test-hdl SWB-08 Rumpole JRL r 2B 1F
Shutdown Test PC
**** Monitor Execution ****
Monitor BIOS interrupt 13h (disk service)
tally13 compiled on 07/29/03 at 07:33:17
@(#) Version 1.1 Created 07/29/03 at 07:28:05
Now (08/31/03 at 08:06:42) Going TSR
***** Install HDL Log *****
HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
Royal Canadian Mounted Police
UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
Licensee: US Dept. Commerce / NIST S/W Testing
2 Hard-Disks reported by Int 13h
Hard-Disks Teported by Int_ISH Hard-Disk 0 Locked!
Hard-Disk 1 Locked!
Write Lock successfully installed.

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Case: Comma Date: Versi Opera Host: Numbe 0 S 1 S 2 S Resul 0 S 1 S 2 S Resul Summa	SWB-08 and set: Read Sun Aug 31 08:00 con: @(#) test-hdi @(#) wb-defs.h Compiled on Au tor: JRL Rumpole r of drives 2, D: Case Cmd Drv Act WB-08 <02> 80 Al: WB-08 <42> 80 Al: ts for SWB-08 cat WB-08 <02> 81 Al: WB-08 <02> 81 Al: WB-08 <02> 81 Al: WB-08 <03> 81 Al: WB-08 <42> 81 Al:	1.cpp Version 1.1 Version 1.2 Cre 1	Created 08/23, ated 08/31/03 ated 08/31/03 at 10:54 Funt Cmd Name 1 ReadSecto: 1 ReadLong 1 ExtRead 80 No command: 1 ReadSecto: 1 ReadLong 1 ExtRead	rs s blocked (0 of 3)
Results:	co for pwp oo ca			
	ry. o sene, o bio	ocked, 6 not bloo	.xeu	
	rtion Expected	D 11 .	Actual Re	. 71 .
AM-0		to drive 80 bloc		o drive 80 blocked
AM-0 AM-0		to drive 81 bloc		o drive 81 blocked
		ive message		ve message
AM-0 AM-0		identified		identified
		is protected		is protected
AM-0 AM-1		is protected		is protected
AM-1	U [U Comman	ds return success	U Command	s return success
Analysis: SWB-0				

Case SWB-09 HDL	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002		
Case Summary:	SWB-09 Install one drive, configure return code to failure, protect all drives, execute information commands.		
Assertions	SWB-AM-06. If a drive is protected and a command from the information		
Tested:	category is issued for the protected drive then the tool shall not		
	block the command.		
	SWB-AM-07. If the tool is executed then the tool shall issue a message		
	indicating that the tool is active.		
	SWB-AM-08. If the tool is executed then the tool shall issue a message		
	indicating all drives accessible by the covered interfaces.		
	SWB-AM-09. If the tool is executed then the tool shall issue a message		
	indicating the protection status of each drive attached to a		
	covered interface.		
	SWB-AM-11. If the tool is configured to return fail on blocked commands		
	and the tool blocks a command then the return code shall indicate		
	unsuccessful command execution.		
Tester Name:	JRL		
Test Date:	Sun Aug 31 09:09:07 2003		
Test PC:	McMloud		
Test Software:	SWBT 1.0		
Hard Drives	Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors		
Used:			
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]		
Executed:	tally13		
	hd18 0		
	test-hdl SWB-09 McMloud JRL i 8A		
	Shutdown Test PC		
Log File	**** Monitor Execution ****		
Highlights:	Monitor BIOS interrupt 13h (disk service)		
	tally13 compiled on 07/29/03 at 07:33:17		
	@(#) Version 1.1 Created 07/29/03 at 07:28:05		
	Now (08/31/03 at 09:09:00) Going TSR		
	***** Install HDL Log *****		
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002		
	Royal Canadian Mounted Police		
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED		

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Case SWB-09 HDL -	- Int_13 Hard	Disk Write Lock V0.8 021126 @	RCMP 1993-2002
	1 Ha Hard- Write ***** Test H CMD: A:\TEST Case: SWB-09 Command set:	see: US Dept. Commerce / NIST rd-Disks reported by Int_13h Disk 0 Locked! Lock successfully installed. arness Log ***** -HDL.EXE SWB-09 McMloud JRL i Information g 31 09:09:07 2003	-
	@(#) Composition	d ives 1, Drives: 8A md Drv Action Stat Cry Count 01> 80 Allowed 0000 Off 1 04> 80 Allowed 0000 Off 1 08> 80 Allowed 0000 Off 1	08/31/03 at 08:18:19 4 Cmd Name GetLastStatus VerifySectors ReadDriveParms
Results:	4 SWB-09 < 5 SWB-09 < 6 SWB-09 < 7 SWB-09 < Results for	10> 80 Allowed 0000 Off 1 15> 80 Allowed 0000 Off 1 41> 80 Allowed 0000 Off 1 44> 80 Allowed 0000 Off 1 48> 80 Allowed 0000 Off 1 8WB-09 category i on drive 80 ent, 0 blocked, 8 not blocked	ReadDriveType CheckForExtensions VerifySectors GetDriveParms
Nesurcs.	Assertion	Expected Results	Actual Results
	AM-06	All cmds to drive 80 blocked	All cmds to drive 80 blocked
	AM-07 AM-08 AM-09	Tool active message 1 drive identified Drive 80 is protected	Tool active message 1 drive identified Drive 80 is protected
	AM-11	0 Commands return fail	0 Commands return fail
Analysis:	SWB-09 Expec	ted results achieved	

Garage AND 10 HDT	Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-10 Install all drives, configure return code to success, protect
	all drives, execute information commands.
Assertions	SWB-AM-06. If a drive is protected and a command from the information
Tested:	category is issued for the protected drive then the tool shall not block the command.
	SWB-AM-07. If the tool is executed then the tool shall issue a message
	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:33:02 2003
Test PC:	HecRamsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label F5 is an IBM-DTLA-307020 with 40188960 sectors
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors
	Drive 82, label 6F is a Maxtor 6Y060LO with 120103200 sectors
	Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 84, label 1F is a Quantum ATLAS10K3 18 SCA Drive with 35916548
	sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hdl8 S01234
	test-hdl SWB-10 HecRamsey JRL i F5 64 6F E3 1F

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Case SWB-10 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:32:55) Going TSR
	***** Install HDL Log *****
	HDL Int 13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	5 Hard-Disks reported by Int_13h Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Locked! Hard-Disk 3 Locked!
	Hard-Disk 4 Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-10 HecRamsey JRL i F5 64 6F E3 1F
	Case: SWB-10
	Command set: Information Date: Sun Aug 31 09:33:02 2003
	2000. Juli Muy JI 07.33.02 2003
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54
	Operator: JRL
	Host: HecRamsey
	Number of drives 5, Drives: F5 64 6F E3 1F
	Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-10 <01> 80 Allowed 0000 Off 1 GetLastStatus
	1 SWR-10 <04> 80 Allowed 0000 Off 1 VerifySectors
	2 SWR-10 <08> 80 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-10 <10> 80 Allowed 0000 Off 1 TestDriveReady
	4 SWB-10 <15> 80 Allowed 0000 Off 1 ReadDriveType
	5 SWB-10 <41> 80 Allowed 0000 Off 1 CheckForExtensions
	1 SWB-10 <04> 80 Allowed 0000 Off 1 VerifySectors 2 SWB-10 <08> 80 Allowed 0000 Off 1 ReadDriveParms 3 SWB-10 <10> 80 Allowed 0000 Off 1 TestDriveReady 4 SWB-10 <15> 80 Allowed 0000 Off 1 ReadDriveType 5 SWB-10 <41> 80 Allowed 0000 Off 1 CheckForExtensions 6 SWB-10 <44> 80 Allowed 0000 Off 1 VerifySectors
	/ SWB-10 <48> 80 Allowed 0000 Off
	Results for SWB-10 category i on drive 80 No commands blocked (0 of 8)
	0 SWB-10 <01> 81 Allowed 0000 Off
	2 SWB-10 <08> 81 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-10 <10> 81 Allowed 0000 Off 1 TestDriveReady
	4 SWB-10 <15> 81 Allowed 0000 Off 1 ReadDriveType
	5 SWB-10 <41> 81 Allowed 0000 Off 1 CheckForExtensions
	6 SWB-10 <44> 81 Allowed 0000 Off 1 VerifySectors
	7 SWB-10 <48> 81 Allowed 0000 Off 1 GetDriveParms
	Results for SWB-10 category i on drive 81 No commands blocked (0 of 8)
	0 SWB-10 <01> 82 Allowed 0000 Off 1 GetLastStatus 1 SWB-10 <04> 82 Allowed 0000 Off 1 VerifySectors
	1 SWB-10 <04> 82 Allowed 0000 Off 1 VerifySectors 2 SWB-10 <08> 82 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-10 <10> 82 Allowed 0000 Off 1 TestDriveReady
	4 SWB-10 <15> 82 Allowed 0000 Off 1 ReadDriveType
	5 SWB-10 <41> 82 Allowed 0000 Off 1 CheckForExtensions
	6 SWB-10 <44> 82 Allowed 0000 Off 1 VerifySectors
	7 SWB-10 <48> 82 Allowed 0000 Off 1 GetDriveParms
	Results for SWB-10 category i on drive 82 No commands blocked (0 of 8)
	0 SWB-10 <01> 83 Allowed 0000 Off 1 GetLastStatus 1 SWB-10 <04> 83 Allowed 0000 Off 1 VerifySectors
	2 SWB-10 <08> 83 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-10 <10> 83 Allowed 0000 Off 1 TestDriveReady
	4 SWB-10 <15> 83 Allowed 0000 Off 1 ReadDriveType
	5 SWB-10 <41> 83 Allowed 0000 Off 1 CheckForExtensions
	6 SWB-10 <44> 83 Allowed 0000 Off 1 VerifySectors
	7 SWB-10 <48> 83 Allowed 0000 Off 1 GetDriveParms
	Results for SWB-10 category i on drive 83 No commands blocked (0 of 8)
	0 SWB-10 <01> 84 Allowed 0000 Off 1 GetLastStatus 1 SWB-10 <04> 84 Allowed 0000 Off 1 VerifySectors
	2 SWB-10 <04> 84 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-10 <10> 84 Allowed 0000 Off 1 TestDriveReady
	4 SWB-10 <15> 84 Allowed 0000 Off 1 ReadDriveType

Case SWB-10 HD		d Disk Write Lock VO.8 021126 @	
		<pre><41> 84 Allowed 0000 Off 1</pre>	
	6 SWB-10 <	<44> 84 Allowed 0000 Off 1	VerifySectors
	7 SWB-10 <	<pre><48> 84 Allowed 0000 Off 1</pre>	GetDriveParms
	Results for	SWB-10 category i on drive 84	No commands blocked (0 of 8)
	Summary: 40	sent, 0 blocked, 40 not blocked	ed
			<u> </u>
Results:	Assertion	Empeted Becults	Actual Results
		Expected Results	
	AM-06	No cmds to drive 80 blocked	No cmds to drive 80 blocked
	AM-06	No cmds to drive 81 blocked	No cmds to drive 81 blocked
	AM-06	No cmds to drive 82 blocked	No cmds to drive 82 blocked
	AM-06	No cmds to drive 83 blocked	No cmds to drive 83 blocked
	AM-06	No cmds to drive 84 blocked	No cmds to drive 84 blocked
	AM-07	Tool active message	Tool active message
	AM-08	5 drives identified	5 drives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09	Drive 81 is protected	Drive 81 is protected
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-09	Drive 83 is protected	Drive 83 is protected
	AM-09	Drive 84 is protected	Drive 84 is protected
	AM-10	0 Commands return success	0 Commands return success
Analysis:	SWB-10 Exped	cted results achieved	

Case SWB-11 HDL	Int_13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002
Case Summary:	SWB-11 Install two drives, configure return code to failure, protect
	all drives, execute control commands.
Assertions	SWB-AM-05. If a drive is protected and a command from the control
Tested:	category is issued for the protected drive then the tool shall not block the command.
	SWB-AM-07. If the tool is executed then the tool shall issue a message indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands and the tool blocks a command then the return code shall indicate
	unsuccessful command execution.
Tester Name:	JRL
Test Date:	Sun Aug 31 08:09:56 2003
Test PC:	Rumpole
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 2B is a Quantum QM39100TD-SCA Drive with 17783249
Used:	sectors
	Drive 81, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548
	sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hdl8 01
	test-hdl SWB-11 Rumpole JRL c 2B 1F
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 08:09:53) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	2 Hard-Disks reported by Int_13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-11 Rumpole JRL c 2B 1F

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	Version: @(@(# Comp Operator: J		
	Date: Sun A Version: @(@(# Comp Operator: J	ug 31 08:09:56 2003 #) test-hdl.cpp Version 1.1 Cr wb-defs.h Version 1.2 Created	
	Version: @(@(# Comp Operator: J	#) test-hdl.cpp Version 1.1 Cr wb-defs.h Version 1.2 Created	
	@(# Comp Operator: J	wb-defs.h Version 1.2 Created	
	Case 0 SWB-11 1 SWB-11 2 SWB-11 3 SWB-11 4 SWB-11 Results for of 5) 0 SWB-11 1 SWB-11 2 SWB-11 3 SWB-11 4 SWB-11 Results for of 5)	RL le rives 2, Drives: 2B 1F Cmd Drv Action Stat Cry Count <00> 80 Allowed 0000 Off 1 <00> 80 Allowed 0000 Off 1 <1>> 80 Blocked 0300 On 0 <47> 80 Blocked 0300 On 0 SWB-11 category c on drive 80 <00> 81 Allowed 0000 Off 1 <00> 81 Allowed 0000 Off 1 <10> 81 Allowed 0000 Off 1 <00> 81 Allowed 0000 Off 1 <00	Cmd Name Reset SeekDrive AltReset Recalibrate ExtendedSeek Not all commands blocked (2 Reset SeekDrive AltReset Recalibrate ExtendedSeek Not all commands blocked (2
	Results for of 5)		Not all commands blocked (2
esults:			
C541C5.	Assertion	Expected Results	Actual Results
	AM-05	No cmds to drive 80 blocked	Not all cmds to drive 80 blocked
	AM-05	No cmds to drive 81 blocked	Not all cmds to drive 81 blocked
	AM-07	Tool active message	Tool active message
	AM-08	2 drives identified	2 drives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09	Drive 81 is protected	Drive 81 is protected
		<u> </u>	±
	AM-11	4 Commands return fail	4 Commands return fail

Case SWB-12 HDL Int_13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002	
Case Summary:	SWB-12 Install one drive, configure return code to success, protect all
	drives, execute control commands.
Assertions	SWB-AM-05. If a drive is protected and a command from the control
Tested:	category is issued for the protected drive then the tool shall not block the command.
	SWB-AM-07. If the tool is executed then the tool shall issue a message indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message indicating the protection status of each drive attached to a covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall indicate successful command execution.
Tester Name:	JRL
Test Date:	Thu Aug 28 08:16:26 2003
Test PC:	AndWife
Test Software:	SWBT 1.0
Hard Drives Used:	Drive 80, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hdl8 S0
	test-hdl SWB-12 AndWife JRL c E4
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)

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Case SWB-12 HDL	Int 13 Hard	Disk Write Lock VO.8 021126	© RCMP 1993-2002
Case Sws-12 HDL	tally13 com @(#) Version Now (08/28/0 ***** Instal HDL Int_1 UNAUT Licen 1 Ha Hard- Write ***** Test H	piled on 07/29/03 at 07:33:17 1.1 Created 07/29/03 at 07:2 3 at 08:16:19) Going T 1 HDL Log ***** 3 Hard Disk Write Lock V0.8 0 Royal Canadian Mounted Po HORIZED USE / DISTRIBUTION see: US Dept. Commerce / NIST rd-Disks reported by Int_13h Disk 0 Locked! Lock successfully installed. tarness Log *****	8:05 SR 21126 (c)RCMP 1993-2002 lice PROHIBITED S/W Testing
	Case: SWB-12 Command set:		E4
Results:	@(#) Comp: C		Cmd Name Reset SeekDrive AltReset Recalibrate ExtendedSeek Not all commands blocked (2
Results:	Assertion	Expected Results	Actual Results
	AM-05	No cmds to drive 80 blocked	Not all cmds to drive 80 blocked
	AM-07	Tool active message	Tool active message
	AM-08	1 drive identified	1 drive identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-10	2 Commands return success	2 Commands return success
	AM-10	Z COMMINATION TECUTIT SUCCESS	2 Commands Tecurin Success

	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-13 Install all drives, configure return code to failure, protect
	with pattern odd, execute write commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands
	and the tool blocks a command then the return code shall indicate
	unsuccessful command execution.
	SWB-AO-01. If a subset of all covered drives is specified for
	protection, then commands from the write category shall be blocked
	for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:34:13 2003
Test PC:	Wimsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors
Used:	Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors

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Case SWB-13 HDL -	Int_13 Hard	Disk Write Lock V0.8 021126 ©	RCMP 1993-2002
	Drive 82, la	bel E4 is a QUANTUM ATLAS10K2-	TY092J with 17938985 sectors
	Drive 83, la	bel 2B is a Quantum QM39100TD-	SCA Drive with 17783249
	sectors		
Commands	Boot Test PC	to (DOS 7.1) Windows 98 [Vers	ion 4.10.2222]
Executed:	tally13		
	hd18 13		
		-13 Wimsey JRL w 90 8A E4 2B	
	Shutdown Tes		
Log File		r Execution ****	
Highlights:		interrupt 13h (disk service)	
	_ =	piled on 07/29/03 at 07:33:17	0.5
		1.1 Created 07/29/03 at 07:28	
		3 at 09:34:10) Going TS	K
		1 HDL Log ***** 3 Hard Disk Write Lock V0.8 02	1126 (a) BCMD 1003_2002
	_	Royal Canadian Mounted Pol	, ,
		HORIZED USE / DISTRIBUTION P	
	0111101	HORIZED OSE / DISTRIBUTION I	NONLEGILLE
	Licen	see: US Dept. Commerce / NIST	S/W Testing
		rd-Disks reported by Int 13h	27.1. 1000111g
		Disk 0 Not Locked!	
		Disk 1 Locked!	
		Disk 2 Not Locked!	
		Disk 3 Locked!	
		Lock successfully installed.	
		arness Log *****	
		-HDL.EXE SWB-13 Wimsey JRL w 9	0 8A E4 2B
	Case: SWB-13		
	Command set:	Write	
	Date: Sun Au	g 31 09:34:13 2003	
) test-hdl.cpp Version 1.1 Cre	
		wb-defs.h Version 1.2 Created	
	_	iled on Aug 31 2003 at 08:10:54	4
	Operator: JRL		
	Host: Wimsey		
	Number of drives 4, Drives: 90 8A E4 2B		
		md Drv Action Stat Cry Count	
		03> 80 Allowed 0000 Off 1 0B> 80 Allowed 0000 Off 1	
		43> 80 Allowed 0000 Off 1	WriteLong
		SWB-13 category w on drive 80	
		03> 81 Blocked 0300 On 0	
			WriteLong
		43> 81 Blocked 0300 On 0	
		SWB-13 category w on drive 81	
		03> 82 Allowed 0000 Off 1	
		0B> 82 Allowed 0000 Off 1	
		43> 82 Allowed 0000 Off 1	
		SWB-13 category w on drive 82	
			WriteSectors
			WriteLong
		43> 83 Blocked 0300 On 0	
	Results for	SWB-13 category w on drive 83	All commands blocked (3 of 3)
	Summary: 12	sent, 6 blocked, 6 not blocked	
	<u> </u>		
Results:	l		
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	4 drives identified	4 drives identified
1	AM-09	Drive 80 is unprotected	Drive 80 is unprotected
	AM-09	Drive 81 is protected	Drive 81 is protected
	AM-09	Drive 81 is protected	Drive 81 is protected
	AM-09 AM-09	Drive 81 is protected Drive 82 is unprotected	Drive 81 is protected Drive 82 is unprotected
	AM-09 AM-09 AM-09	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected
	AM-09 AM-09 AM-09 AM-11	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail
	AM-09 AM-09 AM-09 AM-11	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail All cmds to drive 81	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail All cmds to drive 81
	AM-09 AM-09 AM-09 AM-11 AO-01	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail All cmds to drive 81 blocked All cmds to drive 83 blocked	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail All cmds to drive 81 blocked All cmds to drive 83 blocked
	AM-09 AM-09 AM-09 AM-11 AO-01	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail All cmds to drive 81 blocked All cmds to drive 83 blocked No cmds to drive 80 blocked	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail All cmds to drive 81 blocked All cmds to drive 83
	AM-09 AM-09 AM-09 AM-11 AO-01	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail All cmds to drive 81 blocked All cmds to drive 83 blocked	Drive 81 is protected Drive 82 is unprotected Drive 83 is protected 6 Commands return fail All cmds to drive 81 blocked All cmds to drive 83 blocked

Case SWB-13 HDL -	- Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Analysis:	SWB-13 Expected results achieved

Case SWB-14 HDL	Int 13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002
Case Summary:	SWB-14 Install all drives, configure return code to success, protect
	with pattern low, execute write commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
	SWB-A0-01. If a subset of all covered drives is specified for
	protection, then commands from the write category shall be blocked
	for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:35:58 2003
Test PC:	HecRamsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label F5 is an IBM-DTLA-307020 with 40188960 sectors
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors
	Drive 82, label 6F is a Maxtor 6Y060L0 with 120103200 sectors
	Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548 sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hd18 S01
	test-hdl SWB-14 HecRamsey JRL w F5 64 6F E3 1F
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
	tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:35:51) Going TSR
	***** Install HDL Log *****
	HDL Int 13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing 5 Hard-Disks reported by Int 13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Not Locked!
	Hard-Disk 3 Not Locked!
	Hard-Disk 4 Not Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-14 HecRamsey JRL w F5 64 6F E3 1F
	Case: SWB-14 Command set: Write
	Date: Sun Aug 31 09:35:58 2003
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54
	Operator: JRL
	Host: HecRamsey
	Number of drives 5, Drives: F5 64 6F E3 1F Case Cmd Drv Action Stat Cry Count Cmd Name
	0 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors
	1 SWB-14 <0B> 80 Blocked 0000 Off 0 WriteLong
	2 SWB-14 <43> 80 Blocked 0000 Off
	Results for SWB-14 category w on drive 80 All commands blocked (3 of 3)

	Int_13 Hard	l Disk Write Lock V0.8 021126 ©	RCMP 1993-2002
	0 SWB-14 <	(03> 81 Blocked 0000 Off 0	WriteSectors
		(OB> 81 Blocked 0000 Off 0	
	2 SWB-14 <	<pre><43> 81 Blocked 0000 Off 0</pre>	ExtWrite
		SWB-14 category w on drive 81	
	0 SWB-14 <	<pre><03> 82 Allowed 0000 Off 1</pre>	WriteSectors
	1 SWB-14 <	OB> 82 Allowed 0000 Off 1	WriteLong
	2 SWB-14 <	<pre><43> 82 Allowed 0000 Off 1</pre>	ExtWrite
		SWB-14 category w on drive 82	
		<pre><03> 83 Allowed 0000 Off 1</pre>	
	1 SWB-14 <	OB> 83 Allowed 0000 Off 1	WriteLong
		<pre><43> 83 Allowed 0000 Off 1</pre>	
		SWB-14 category w on drive 83	
		<pre><03> 84 Allowed 0000 Off 1</pre>	
		OB> 84 Allowed 0000 Off 1	2
		<pre><43> 84 Allowed 0000 Off 1</pre>	
		SWB-14 category w on drive 84 sent, 6 blocked, 9 not blocked	
Results:	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	5 drives identified	5 drives identified
			J diives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09 AM-09	Drive 80 is protected Drive 81 is protected	
		+	Drive 80 is protected
	AM-09	Drive 81 is protected	Drive 80 is protected Drive 81 is protected
	AM-09 AM-09	Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected
	AM-09 AM-09 AM-09	Drive 81 is protected Drive 82 is unprotected	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected
	AM-09 AM-09 AM-09 AM-09	Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected
	AM-09 AM-09 AM-09 AM-09 AM-10	Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success
	AM-09 AM-09 AM-09 AM-09 AM-10	Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80
	AM-09 AM-09 AM-09 AM-09 AM-10 AO-01	Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked
	AM-09 AM-09 AM-09 AM-09 AM-10 AO-01	Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked All cmds to drive 81 blocked	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked All cmds to drive 81
	AM-09 AM-09 AM-09 AM-09 AM-10 AO-01	Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked All cmds to drive 81	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked All cmds to drive 81 blocked
	AM-09 AM-09 AM-09 AM-09 AM-10 AO-01 AO-01	Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked All cmds to drive 81 blocked No cmds to drive 82 blocked	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked All cmds to drive 81 blocked No cmds to drive 82 blocked
	AM-09 AM-09 AM-09 AM-09 AM-10 AO-01 AO-01 AO-07 AO-07	Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked All cmds to drive 81 blocked No cmds to drive 82 blocked No cmds to drive 83 blocked	Drive 80 is protected Drive 81 is protected Drive 82 is unprotected Drive 83 is unprotected Drive 84 is unprotected 6 Commands return success All cmds to drive 80 blocked All cmds to drive 81 blocked No cmds to drive 82 blocked No cmds to drive 83 blocked

Case SWB-15 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-15 Install all drives, configure return code to failure, protect with pattern first, execute configuration commands.
Assertions Tested:	SWB-AM-07. If the tool is executed then the tool shall issue a message indicating that the tool is active. SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a message indicating the protection status of each drive attached to a covered interface. SWB-AM-11. If the tool is configured to return fail on blocked commands and the tool blocks a command then the return code shall indicate unsuccessful command execution. SWB-AO-02. If a subset of all covered drives is specified for protection, then commands from the configuration category shall be blocked for drives in the selected subset. SWB-AO-07. If a subset of all covered drives is specified for protection, then no commands from any category shall be blocked for drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:45:18 2003
Test PC:	HecRamsey
Test Software:	SWBT 1.0
Hard Drives Used:	Drive 80, label F5 is an IBM-DTLA-307020 with 40188960 sectors Drive 81, label 64 is a WDC WD64AA with 12594960 sectors Drive 82, label 6F is a Maxtor 6Y060L0 with 120103200 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548 sectors
Commands Executed:	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222] tally13 hdl8 0

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Case SWB-15 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
	test-hdl SWB-15 HecRamsey JRL x F5 64 6F E3 1F
Log File	Shutdown Test PC ***** Monitor Execution *****
Highlights:	Monitor BIOS interrupt 13h (disk service)
inightighes.	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:45:12) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	5 Hard-Disks reported by Int 13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Not Locked!
	Hard-Disk 2 Not Locked!
	Hard-Disk 3 Not Locked!
	Hard-Disk 4 Not Locked! Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-15 HecRamsey JRL x F5 64 6F E3 1F
	Case: SWB-15
	Command set: Configure
	Date: Sun Aug 31 09:45:18 2003
	Tanaian, 8/#) tast hill ann Tanaian 1 1 Quarted 00/02/02 at 10.12.51
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54
	Operator: JRL
	Host: HecRamsey
	Number of drives 5, Drives: F5 64 6F E3 1F
	Case Cmd Drv Action Stat Cry Count Cmd Name
	0 SWB-15 <05> 80 Blocked 0300 On 0 FormatTrack
	1 SWB-15 <06> 80 Blocked 0300 On
	2 SWB-15 <07> 80 Blocked 0300 On
	3 SWB-15 <09> 80 Blocked 0300 On 0 InitDriveParms 4 SWB-15 <0E> 80 Blocked 0300 On 0 DiagnosticESDI
	5 SWB-15 <of> 80 Blocked 0300 On</of>
	6 SWB-15 <12> 80 Blocked 0300 On
	7 SWB-15 <13> 80 Blocked 0300 On
	8 SWB-15 <14> 80 Blocked 0300 On 0 DiagnosticCTL
	Results for SWB-15 category x on drive 80 All commands blocked (9 of 9)
	0 SWB-15 <05> 81 Allowed 0000 Off 1 FormatTrack
	1 SWB-15 <06> 81 Allowed 0000 Off 1 FormatBadSectors 2 SWB-15 <07> 81 Allowed 0000 Off 1 FormatCyl
	2 SWB-15 <07> 81 Allowed 0000 Off 1 FormatCyl 3 SWB-15 <09> 81 Allowed 0000 Off 1 InitDriveParms
	4 SWB-15 <0E> 81 Allowed 0000 Off 1 DiagnosticESDI
	5 SWB-15 <of> 81 Allowed 0000 Off 1 DiagnosticESDI</of>
	6 SWB-15 <12> 81 Allowed 0000 Off 1 DiagnosticRAM
	7 SWB-15 <13> 81 Allowed 0000 Off 1 DiagnosticDrive
	8 SWB-15 <14> 81 Allowed 0000 Off 1 DiagnosticCTL
	Results for SWB-15 category x on drive 81 No commands blocked (0 of 9) 0 SWB-15 <05> 82 Allowed 0000 Off 1 FormatTrack
	1 SWB-15 <05> 82 Allowed 0000 Off 1 FormatTrack 1 SWB-15 <06> 82 Allowed 0000 Off 1 FormatBadSectors
	2 SWB-15 <00> 82 Allowed 0000 Off 1 FormatCyl
	3 SWB-15 <09> 82 Allowed 0000 Off 1 InitDriveParms
	4 SWB-15 <oe> 82 Allowed 0000 Off 1 DiagnosticESDI</oe>
	5 SWB-15 <of> 82 Allowed 0000 Off 1 DiagnosticESDI</of>
	6 SWB-15 <12> 82 Allowed 0000 Off 1 DiagnosticRAM
	7 SWB-15 <13> 82 Allowed 0000 Off 1 DiagnosticDrive
	8 SWB-15 <14> 82 Allowed 0000 Off 1 DiagnosticCTL Results for SWB-15 category x on drive 82 No commands blocked (0 of 9)
	0 SWB-15 <05> 83 Allowed 0000 Off 1 FormatTrack
	1 SWB-15 <06> 83 Allowed 0000 Off 1 FormatBadSectors
	2 SWB-15 <07> 83 Allowed 0000 Off 1 FormatCyl
	3 SWB-15 <09> 83 Allowed 0000 Off 1 InitDriveParms
	4 SWB-15 <oe> 83 Allowed 0000 Off 1 DiagnosticESDI</oe>
	5 SWB-15 <0F> 83 Allowed 0000 Off 1 DiagnosticESDI
	6 SWB-15 <12> 83 Allowed 0000 Off 1 DiagnosticRAM
	7 SWB-15 <13> 83 Allowed 0000 Off 1 DiagnosticDrive
	8 SWB-15 <14> 83 Allowed 0000 Off 1 DiagnosticCTL Results for SWB-15 category x on drive 83 No commands blocked (0 of 9)
	Nesatto for SWB-13 category x on affive 63 No Continuantas blocked (U OI 9)

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Case SWB-15 HDL -	Int_13 Hard	l Disk Write Lock VO.8 021126 @	RCMP 1993-2002
	0 SWB-15 <	(05> 84 Allowed 0000 Off 1	FormatTrack
	1 SWB-15 <	(06> 84 Allowed 0000 Off 1	FormatBadSectors
	2 SWB-15 <	(07> 84 Allowed 0000 Off 1	FormatCyl
	3 SWB-15 <	(09> 84 Allowed 0000 Off 1	InitDriveParms
	4 SWB-15 <	(OE> 84 Allowed 0000 Off 1	DiagnosticESDI
	5 SWB-15 <	OF> 84 Allowed 0000 Off 1	DiagnosticESDI
		(12> 84 Allowed 0000 Off 1	
		(13> 84 Allowed 0000 Off 1	
	8 SWB-15 <	(14> 84 Allowed 0000 Off 1	DiagnosticCTL
		SWB-15 category x on drive 84	
	Summary: 45	sent, 9 blocked, 36 not blocke	ea
Results:			
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	5 drives identified	5 drives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09	Drive 81 is unprotected	Drive 81 is unprotected
	AM-09	Drive 82 is unprotected	Drive 82 is unprotected
	AM-09	Drive 83 is unprotected	Drive 83 is unprotected
	AM-09	Drive 84 is unprotected	Drive 84 is unprotected
	AM-11	9 Commands return fail	9 Commands return fail
	AO-02	All cmds to drive 80	All cmds to drive 80
		blocked	blocked
	AO-07	No cmds to drive 81 blocked	No cmds to drive 81 blocked
	AO-07	No cmds to drive 82 blocked	No cmds to drive 82 blocked
	AO-07	No cmds to drive 83 blocked	No cmds to drive 83 blocked
	AO-07	No cmds to drive 84 blocked	No cmds to drive 84 blocked
Analysis:	SWB-15 Exped	cted results achieved	

Case SWB-16 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-16 Install all drives, configure return code to success, protect
	with pattern mid, execute configuration commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
	SWB-A0-02. If a subset of all covered drives is specified for
	protection, then commands from the configuration category shall be
	blocked for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:46:22 2003
Test PC:	Wimsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors
Used:	Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors
	Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249
	sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hdl8 S2
	test-hdl SWB-16 Wimsey JRL x 90 8A E4 2B
	Shutdown Test PC
Log File	***** Monitor Execution *****
Highlights:	Monitor BIOS interrupt 13h (disk service)
	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:46:18) Going TSR
	***** Install HDL Log *****

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```
Case SWB-16 HDL -- Int 13 Hard Disk Write Lock V0.8 021126 @ RCMP 1993-2002
                  HDL -- Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
                         --- Royal Canadian Mounted Police
                         UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
                         Licensee: US Dept. Commerce / NIST S/W Testing
                         4 Hard-Disks reported by Int 13h
                         Hard-Disk 0 Not Locked!
                         Hard-Disk 1 Not Locked!
                         Hard-Disk 2
                                         Locked!
                         Hard-Disk 3 Not Locked!
                         Write Lock successfully installed.
                  ***** Test Harness Log *****
                  CMD: A:\TEST-HDL.EXE SWB-16 Wimsey JRL x 90 8A E4 2B
                  Case: SWB-16
                  Command set: Configure
                  Date: Sun Aug 31 09:46:22 2003
                  Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
                         @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
                         Compiled on Aug 31 2003 at 08:10:54
                  Operator: JRL
                  Host: Wimsey
                  Number of drives 4, Drives: 90 8A E4 2B
                       Case Cmd Drv Action Stat Cry Count Cmd Name
                    0 SWB-16 <05> 80 Allowed 0000 Off
                                                          1 FormatTrack
                    1 SWB-16 <06> 80 Allowed 0000 Off
                                                          1 FormatBadSectors
                    2 SWB-16 <07> 80 Allowed 0000 Off
                                                         1 FormatCyl
                                                          1 InitDriveParms
1 DiagnosticESDI
                    3 SWB-16 <09> 80 Allowed 0000 Off
                    4 SWB-16 <0E> 80 Allowed 0000 Off
                    5 SWB-16 <OF> 80 Allowed 0000 Off
                                                         1 DiagnosticESDI
                    6 SWB-16 <12> 80 Allowed 0000 Off
                                                          1 DiagnosticRAM
                    7 SWB-16 <13> 80 Allowed 0000 Off
                                                          1
                                                             DiagnosticDrive
                    8 SWB-16 <14> 80 Allowed 0000 Off
                                                          1 DiagnosticCTL
                  Results for SWB-16 category x on drive 80 No commands blocked (0 of 9)
                                                        1 FormatTrack
1 FormatBadSectors
                    0 SWB-16 <05> 81 Allowed 0000 Off
                    1 SWB-16 <06> 81 Allowed 0000 Off
                    2 SWB-16 <07> 81 Allowed 0000 Off
                                                         1 FormatCyl
                                                          1 InitDriveParms
                    3 SWB-16 <09> 81 Allowed 0000 Off
                    4 SWB-16 <0E> 81 Allowed 0000 Off
                                                          1
                                                             DiagnosticESDI
                    5 SWB-16 <0F> 81 Allowed 0000 Off
                                                          1 DiagnosticESDI
                    6 SWB-16 <12> 81 Allowed 0000 Off
                                                         1 DiagnosticRAM
                                                          1 DiagnosticDriv
1 DiagnosticCTL
                    7 SWB-16 <13> 81 Allowed 0000 Off
                                                             DiagnosticDrive
                    8 SWB-16 <14> 81 Allowed 0000 Off
                  Results for SWB-16 category x on drive 81 No commands blocked (0 of 9)
                                                         0 FormatTrack
                    0 SWB-16 <05> 82 Blocked 0000 Off
                    1 SWB-16 <06> 82 Blocked 0000 Off
                                                          0 FormatBadSectors
                    2 SWB-16 <07> 82 Blocked 0000 Off
                                                         0 FormatCvl
                    3 SWB-16 <09> 82 Blocked 0000 Off
                                                         0 InitDriveParms
                    4 SWB-16 <0E> 82 Blocked 0000 Off
                                                          0 DiagnosticESDI
                    5 SWB-16 <OF> 82 Blocked 0000 Off
                                                          0 DiagnosticESDI
                    6 SWB-16 <12> 82 Blocked 0000 Off
                                                          0 DiagnosticRAM
                    7 SWB-16 <13> 82 Blocked 0000 Off
                                                         0 DiagnosticDrive
                    8 SWB-16 <14> 82 Blocked 0000 Off
                                                          0 DiagnosticCTL
                  Results for SWB-16 category x on drive 82 All commands blocked (9 of 9)
                    0 SWB-16 <05> 83 Allowed 0000 Off
                                                       1 FormatTrack
                                                          1 FormatBadSectors
1 FormatCyl
                    1 SWB-16 <06> 83 Allowed 0000 Off
                    2 SWB-16 <07> 83 Allowed 0000 Off
                    3 SWB-16 <09> 83 Allowed 0000 Off
                                                         1 InitDriveParms
                    4 SWB-16 <OE> 83 Allowed 0000 Off
                                                         1 DiagnosticESDI
                    5 SWB-16 <OF> 83 Allowed 0000 Off
                                                             DiagnosticESDI
                                                          1 DiagnosticRAM
                    6 SWB-16 <12> 83 Allowed 0000 Off
                    7 SWB-16 <13> 83 Allowed 0000 Off
                                                          1 DiagnosticDrive
                    8 SWB-16 <14> 83 Allowed 0000 Off
                                                          1
                                                             DiagnosticCTL
                  Results for SWB-16 category x on drive 83 No commands blocked (0 of 9)
                  Summary: 36 sent, 9 blocked, 27 not blocked
Results:
                   Assertion
                               Expected Results
                                                             Actual Results
                   AM-07
                               Tool active message
                                                              Tool active message
                               4 drives identified
                   AM-08
                                                              4 drives identified
                   AM - 0.9
                               Drive 80 is unprotected
                                                              Drive 80 is unprotected
                                                             Drive 81 is unprotected
                   AM-09
                               Drive 81 is unprotected
```

Case SWB-16 HDL -	- Int_13 Hard	Disk Write Lock V0.8 021126 ©	RCMP 1993-2002
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-09	Drive 83 is unprotected	Drive 83 is unprotected
	AM-10	9 Commands return fail	9 Commands return fail
	AO-02	All cmds to drive 82	All cmds to drive 82
		blocked	blocked
	AO-07	No cmds to drive 80 blocked	No cmds to drive 80 blocked
	AO-07	No cmds to drive 82 blocked	No cmds to drive 82 blocked
	AO-07	No cmds to drive 83 blocked	No cmds to drive 83 blocked
Analysis:	SWB-16 Expec	ted results achieved	

Case SWB-17 HDL	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-17 Install all drives, configure return code to failure, protect
<u>.</u>	with pattern random p, execute miscellaneous commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands
	and the tool blocks a command then the return code shall indicate
	unsuccessful command execution.
	SWB-AO-03. If a subset of all covered drives is specified for
	protection, then commands from the miscellaneous category shall be
	blocked for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:37:02 2003
Test PC:	Wimsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors
Used:	Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors
	Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249
	sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hd18 1
	test-hdl SWB-17 Wimsey JRL m 90 8A E4 2B
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
9 9 1	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:36:59) Going TSR
	***** Install HDL Log *****
	HDL Int 13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	UNAUTHORIZED USE / DISTRIBUTION TROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	4 Hard-Disks reported by Int 13h
	Hard-Disk 0 Not Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Not Locked!
	Hard-Disk 3 Not Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-17 Wimsey JRL m 90 8A E4 2B
	Case: SWB-17
	Command set: Misc
	Date: Sun Aug 31 09:37:02 2003
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54

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```
Case SWB-17 HDL -- Int 13 Hard Disk Write Lock V0.8 021126 @ RCMP 1993-2002
                  Host: Wimsey
                  Number of drives 4, Drives: 90 8A E4 2B
                       Case Cmd Drv Action Stat Cry Count Cmd Name
                    0 SWB-17 <16> 80 Allowed 0000 Off
                                                         1 Undefined
                           misc commands 17-FD results omitted
                           see log files for full results
                  226 SWB-17 <FE> 80 Allowed 0000 Off
                                                          1 Undefined
                  227 SWB-17 <FF> 80 Allowed 0000 Off
                                                          1 Undefined
                  Results for SWB-17 category m on drive 80 No commands blocked (0 of
                   0 SWB-17 <16> 81 Blocked 0300 On
                                                         0 Undefined
                           misc commands 17-FD results omitted
                           see log files for full results
                  226 SWB-17 <FE> 81 Blocked 0300 On 0 Undefined 227 SWB-17 <FF> 81 Blocked 0300 On 0 Undefined
                  Results for SWB-17 category m on drive 81 All commands blocked (228 of
                  228)
                    0 SWB-17 <16> 82 Allowed 0000 Off
                                                          1 Undefined
                           misc commands 17-FD results omitted
                           see log files for full results
                  Results for SWB-17 category m on drive 82 No commands blocked (0 of
                  228)
                    0 SWB-17 <16> 83 Allowed 0000 Off
                                                          1 Undefined
                           misc commands 17-FD results omitted
                           see log files for full results
                  226 SWB-17 <FE> 83 Allowed 0000 Off 1 Undefined 227 SWB-17 <FF> 83 Allowed 0000 Off 1 Undefined
                  Results for SWB-17 category m on drive 83 No commands blocked (0 of
                  Summary: 912 sent, 228 blocked, 684 not blocked
Results:
                               Expected Results
                   Assertion
                                                             Actual Results
                               Tool active message
                                                              Tool active message
                   AM-08
                               4 drives identified
                                                              4 drives identified
                                                              Drive 80 is unprotected
                   AM-09
                               Drive 80 is unprotected
                   AM-09
                               Drive 81 is protected
                                                              Drive 81 is protected
                   AM-09
                               Drive 82 is unprotected
                                                              Drive 82 is unprotected
                   AM-09
                               Drive 83 is unprotected
                                                              Drive 83 is unprotected
                   AM-11
                               228 Commands return fail
                                                              228 Commands return fail
                   AO-03
                               All cmds to drive 81
                                                             All cmds to drive 81
                               blocked
                                                              blocked
                               No cmds to drive 80 blocked No cmds to drive 80 blocked
                   AO-07
                   AO-07
                               No cmds to drive 82 blocked
                                                             No cmds to drive 82 blocked
                   AO-07
                               No cmds to drive 83 blocked No cmds to drive 83 blocked
```

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Case SWB-17 HDL -	- Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Analysis:	SWB-17 Expected results achieved

Case SWB-18 HDL	Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-18 Install all drives, configure return code to success, protect
	with pattern not last, execute miscellaneous commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
	SWB-AO-03. If a subset of all covered drives is specified for
	protection, then commands from the miscellaneous category shall be
	blocked for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:40:14 2003
Test PC:	Wimsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors
Used:	Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors
	Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249
Q	sectors
Commands Executed:	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13 hd18 S012
	test-hdl SWB-18 Wimsey JRL m 90 8A E4 2B
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
, ,	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:40:11) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	4 Hard-Disks reported by Int 13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Locked!
	Hard-Disk 3 Not Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-18 Wimsey JRL m 90 8A E4 2B
	Case: SWB-18
	Command set: Misc
	Date: Sun Aug 31 09:40:14 2003
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL
	<pre>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19</pre>
	<pre>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19</pre>
	<pre>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19</pre>
	<pre>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19</pre>
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19

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```
Case SWB-18 HDL -- Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
                 226 SWB-18 <FE> 80 Blocked 0000 Off
                                                      0 Undefined
                 Results for SWB-18 category m on drive 80 All commands blocked (228 of
                  0 SWB-18 <16> 81 Blocked 0000 Off
                                                      0 Undefined
                         misc commands 17-FD results omitted
                          see log files for full results
                 226 SWB-18 <FE> 81 Blocked 0000 Off 0 Undefined 227 SWB-18 <FF> 81 Blocked 0000 Off 0 Undefined
                 Results for SWB-18 category m on drive 81 All commands blocked (228 of
                 228)
                   0 SWB-18 <16> 82 Blocked 0000 Off
                                                       0 Undefined
                         misc commands 17-FD results omitted
                         see log files for full results
                 Results for SWB-18 category m on drive 82 All commands blocked (228 of
                 228)
                   0 SWB-18 <16> 83 Allowed 0000 Off
                                                      1 Undefined
                         misc commands 17-FD results omitted
                          see log files for full results
                                                     1 Undefined
                 226 SWB-18 <FE> 83 Allowed 0000 Off
                 227 SWB-18 <FF> 83 Allowed 0000 Off
                                                      1 Undefined
                 Results for SWB-18 category m on drive 83 No commands blocked (0 of
                 Summary: 912 sent, 684 blocked, 228 not blocked
Results:
                  Assertion Expected Results
                                                          Actual Results
                             Tool active message
                                                          Tool active message
                  AM-08
                             4 drives identified
                                                          4 drives identified
                  AM-09
                             Drive 80 is protected
                                                          Drive 80 is protected
                  AM-09
                             Drive 81 is protected
                                                          Drive 81 is protected
                             Drive 82 is protected
                                                         Drive 82 is protected
                  AM-09
                             Drive 83 is unprotected
                  AM-09
                                                         Drive 83 is unprotected
                  AM-10
                             684 Commands return success 684 Commands return success
                                                          All cmds to drive 80
                  AO-03
                              All cmds to drive 80
                              blocked
                                                          blocked
                                                          All cmds to drive 81
                  AO-03
                             All cmds to drive 81
                              blocked
                                                          blocked
                             All cmds to drive 82
                                                          All cmds to drive 82
                  AO-03
                                                          blocked
                             No cmds to drive 83 blocked No cmds to drive 83 blocked
                  AO-07
Analysis:
                SWB-18 Expected results achieved
```

Case SWB-19 HDL -	- Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-19 Install all drives, configure return code to failure, protect
	with pattern last, execute read commands.

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Case SWB-19 HDL Int 13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002 Assertions Tested: SWB-AM-08. If the tool is executed then the tool shall issue a mess indicating that the tool is active. SWB-AM-08. If the tool is executed then the tool shall issue a mess indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a mess indicating the protection status of each drive attached to a covered interface. SWB-AM-11. If the tool is configured to return fail on blocked comm and the tool blocks a command then the return code shall indice unsuccessful command execution. SWB-AD-04. If a subset of all covered drives is specified for protection, then commands from the read category shall not be blocked for drives in the selected subset. SWB-AD-07. If a subset of all covered drives is specified for protection, then no commands from any category shall be blocked drives not in the selected subset. Tester Name: Tester Name: Test Date: Wimsey Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAAO with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSFO with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLASIONZ-TY092J with 17938985 sect Drive 83, label 2B is a QUANTUM ATLASIONZ-TY092J with 17938985 sect Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors Commands Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222] tally13 hd18 test-hd1 SWB-19 Wimsey JRL r 90 8A E4 2B Shutdown Test PC Log File Highlights: Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ***** Install HDL Log ***** HDL Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMF 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disk 1 Not Locked! Hard-Disk 1 Not Locked!	age age ands te for
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Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sect Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors Commands Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222] tally13 hd18 3 test-hd1 SWB-19 Wimsey JRL r 90 8A E4 2B Shutdown Test PC Log File Highlights: Monitor Execution ***** Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 (0(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ****** Install HDL Log ***** HDL Int_13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked!	rs
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Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors Commands Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222] tally13 hdl8 3 test-hdl SWB-19 Wimsey JRL r 90 8A E4 2B Shutdown Test PC Log File Highlights: Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 (#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ***** Install HDL Log ***** HDL Int_13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
Sectors Commands Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222] tally13 hd18 3 test-hdl SWB-19 Wimsey JRL r 90 8A E4 2B Shutdown Test PC Log File Highlights: Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ***** Install HDL Log ***** HDL Int 13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int 13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
Commands Executed: Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222] tally13 hd18 3 test-hd1 SWB-19 Wimsey JRL r 90 8A E4 2B Shutdown Test PC Log File Highlights: Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ***** Install HDL Log ***** HDL Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int 13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
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hdl8 3 test-hdl SWB-19 Wimsey JRL r 90 8A E4 2B Shutdown Test PC Log File Highlights: ***** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ***** Install HDL Log ***** HDL Int_13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
test-hdl SWB-19 Wimsey JRL r 90 8A E4 2B Shutdown Test PC ***** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ***** Install HDL Log ***** HDL Int_13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
Shutdown Test PC ***** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ***** Install HDL Log **** HDL Int_13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
#**** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ***** Install HDL Log ***** HDL Int 13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int 13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
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@(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:43:39) Going TSR ***** Install HDL Log ***** HDL Int 13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int 13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
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HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int_13h Hard-Disk O Not Locked! Hard-Disk 1 Not Locked!	
Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 4 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked!	
4 Hard-Disks reported by Int_13h Hard-Disk O Not Locked! Hard-Disk 1 Not Locked!	
4 Hard-Disks reported by Int_13h Hard-Disk O Not Locked! Hard-Disk 1 Not Locked!	
4 Hard-Disks reported by Int_13h Hard-Disk O Not Locked! Hard-Disk 1 Not Locked!	
Hard-Disk 1 Not Locked!	
Hard-Dick 2 Not Locked!	
natu-bisk z NOU Locked:	
Hard-Disk 3 Locked!	
Write Lock successfully installed.	
***** Test Harness Log *****	
CMD: A:\TEST-HDL.EXE SWB-19 Wimsey JRL r 90 8A E4 2B	
Case: SWB-19	
Command set: Read	
Date: Sun Aug 31 09:43:42 2003	
Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51	
@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19	
Compiled on Aug 31 2003 at 08:10:54	
Operator: JRL	
Host: Wimsey	
Number of drives 4, Drives: 90 8A E4 2B	
Case Cmd Drv Action Stat Cry Count Cmd Name	
0 SWB-19 <02> 80 Allowed 0000 Off 1 ReadSectors	
1 SWB-19 <0A> 80 Allowed 0000 Off 1 ReadLong	
2 SWB-19 <42> 80 Allowed 0000 Off 1 ExtRead	
Results for SWB-19 category r on drive 80 No commands blocked (0 of	
0 SWB-19 <02> 81 Allowed 0000 Off 1 ReadSectors	3)
1 SWB-19 <0A> 81 Allowed 0000 Off 1 ReadLong	3)
2 SWB-19 <42> 81 Allowed 0000 Off 1 ExtRead	3)
Results for SWB-19 category r on drive 81 No commands blocked (0 of	3)
0 SWB-19 <02> 82 Allowed 0000 Off 1 ReadSectors	
1 SWB-19 <0A> 82 Allowed 0000 Off 1 ReadLong	
2 SWB-19 <42> 82 Allowed 0000 Off 1 ExtRead	
Results for SWB-19 category r on drive 82 No commands blocked (0 of	
0 SWB-19 <02> 83 Allowed 0000 Off 1 ReadSectors	3)

Case SWB-19 HDI	Int_13 Hard	d Disk Write Lock V0.8 021126 @	RCMP 1993-2002
		<pre><0A> 83 Allowed 0000 Off 1</pre>	2
	2 SWB-19 <	<pre><42> 83 Allowed 0000 Off 1</pre>	ExtRead
	Results for	SWB-19 category r on drive 83	No commands blocked (0 of 3)
	Summary: 12	sent, 0 blocked, 12 not blocked	ed
Results:			
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	4 drives identified	4 drives identified
	AM-09	Drive 80 is unprotected	Drive 80 is unprotected
	AM-09	Drive 81 is unprotected	Drive 81 is unprotected
	AM-09	Drive 82 is unprotected	Drive 82 is unprotected
	AM-09	Drive 83 is protected	Drive 83 is protected
	AM-11	0 Commands return fail	0 Commands return fail
	AO-04	No cmds to drive 83 blocked	No cmds to drive 83 blocked
	AO-07	No cmds to drive 80 blocked	No cmds to drive 80 blocked
	AO-07	No cmds to drive 81 blocked	No cmds to drive 81 blocked
	AO-07	No cmds to drive 82 blocked	No cmds to drive 82 blocked
Analysis:	SWB-19 Exped	cted results achieved	

Case SWB-20 HDL -	Int 13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002
Case Summary:	SWB-20 Install all drives, configure return code to success, protect
-	with pattern not mid, execute read commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
	SWB-AO-04. If a subset of all covered drives is specified for
	protection, then commands from the read category shall not be blocked for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:42:28 2003
Test PC:	HecRamsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label F5 is an IBM-DTLA-307020 with 40188960 sectors
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors
	Drive 82, label 6F is a Maxtor 6Y060L0 with 120103200 sectors
	Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 84, label 1F is a Quantum ATLAS10K3 18 SCA Drive with 35916548
	sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hd18 S0134
	test-hdl SWB-20 HecRamsey JRL r F5 64 6F E3 1F
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:42:22) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	5 Hard-Disks reported by Int 13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Not Locked!

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Case SWB-20 HDL	Int_13 Hard	d Disk Write Lock V0.8 021126 @	RCMP 1993-2002
		-Disk 3 Locked!	
		-Disk 4 Locked!	
		e Lock successfully installed.	
		Harness Log *****	
		T-HDL.EXE SWB-20 HecRamsey JRL	r F5 64 6F E3 1F
	Case: SWB-20		
	Command set		
	Date: Sun Au	ug 31 09:42:28 2003	
	@(#) Comp Operator: JH		08/31/03 at 08:18:19
	Host: HecRar	-	
		rives 5, Drives: F5 64 6F E3 1F	
		Cmd Drv Action Stat Cry Count	
		<02> 80 Allowed 0000 Off 1	
			ReadLong
		<42> 80 Allowed 0000 Off 1	
		SWB-20 category r on drive 80	
		<02> 81 Allowed 0000 Off 1	
	1 SWB-20 <	<0A> 81 Allowed 0000 Off 1	ReadLong
		<42> 81 Allowed 0000 Off 1	
		SWB-20 category r on drive 81	
	0 SWB-20 <	<02> 82 Allowed 0000 Off 1	ReadSectors
	1 SWB-20 <	<0A> 82 Allowed 0000 Off 1 <42> 82 Allowed 0000 Off 1	ReadLong
	2 SWB-20 <	<42> 82 Allowed 0000 Off 1	ExtRead
	Results for	SWB-20 category r on drive 82	No commands blocked (0 of 3)
	0 SWB-20 <	<02> 83 Allowed 0000 Off 1	ReadSectors
	1 SWB-20 <	<0A> 83 Allowed 0000 Off 1	ReadLong
	2 SWB-20 <	<0A> 83 Allowed 0000 Off 1 <42> 83 Allowed 0000 Off 1	ExtRead
		SWB-20 category r on drive 83	
	0 SWB-20 <	<02> 84 Allowed 0000 Off 1	ReadSectors
	1 SWB-20 <	<0A> 84 Allowed 0000 Off 1	ReadLong
	2 SWB-20 <	<0A> 84 Allowed 0000 Off 1 1 42> 84 Allowed 0000 Off 1	ExtRead
		SWB-20 category r on drive 84	
		sent, 0 blocked, 15 not blocke	
Results:	+		
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	5 drives identified	5 drives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09	Drive 81 is protected	Drive 81 is protected
	AM-09	Drive 81 is protected	Drive 81 is protected
	AM-09	Drive 82 is unprotected	Drive 82 is unprotected
	AM-09 AM-09	Drive 82 is unprotected Drive 83 is protected	Drive 82 is unprotected Drive 83 is protected
	AM-09 AM-09 AM-09	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected
	AM-09 AM-09 AM-09 AM-10	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected O Commands return success	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected O Commands return success
	AM-09 AM-09 AM-09 AM-10 AO-04	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected 0 Commands return success No cmds to drive 80 blocked	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected O Commands return success No cmds to drive 80 blocked
	AM-09 AM-09 AM-09 AM-10	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected O Commands return success	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected O Commands return success
	AM-09 AM-09 AM-09 AM-10 AO-04	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected 0 Commands return success No cmds to drive 80 blocked	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected O Commands return success No cmds to drive 80 blocked
	AM-09 AM-09 AM-09 AM-10 AO-04 AO-04	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected 0 Commands return success No cmds to drive 80 blocked No cmds to drive 81 blocked	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected O Commands return success No cmds to drive 80 blocked No cmds to drive 81 blocked
	AM-09 AM-09 AM-09 AM-10 AO-04 AO-04 AO-04	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected 0 Commands return success No cmds to drive 80 blocked No cmds to drive 81 blocked No cmds to drive 83 blocked	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected 0 Commands return success No cmds to drive 80 blocked No cmds to drive 81 blocked No cmds to drive 83 blocked
Analysis:	AM-09 AM-09 AM-09 AM-10 AO-04 AO-04 AO-04 AO-04 AO-07	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected O Commands return success No cmds to drive 80 blocked No cmds to drive 81 blocked No cmds to drive 83 blocked No cmds to drive 84 blocked	Drive 82 is unprotected Drive 83 is protected Drive 84 is protected O Commands return success No cmds to drive 80 blocked No cmds to drive 81 blocked No cmds to drive 83 blocked No cmds to drive 84 blocked

Case SWB-21 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-21 Install all drives, configure return code to failure, protect
	with pattern high, execute information commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands
	and the tool blocks a command then the return code shall indicate
	unsuccessful command execution.
	SWB-AO-06. If a subset of all covered drives is specified for

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Case SWB-21 HDL -	Int 13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002
0.000 0.11 11 1121	protection, then commands from the information category shall not
	be blocked for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:39:04 2003
Test PC:	HecRamsey
Test Software:	SWBT 1.0
Hard Drives Used:	Drive 80, label F5 is an IBM-DTLA-307020 with 40188960 sectors
usea:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors Drive 82, label 6F is a Maxtor 6Y060L0 with 120103200 sectors
	Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548
Commands	sectors Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
Encoucea.	hd18 234
	test-hdl SWB-21 HecRamsey JRL i F5 64 6F E3 1F
	Shutdown Test PC
Log File	***** Monitor Execution *****
Highlights:	Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:38:57) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	5 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked!
	Hard-Disk 0 Not Locked!
	Hard-Disk 2 Locked!
	Hard-Disk 3 Locked!
	Hard-Disk 4 Locked! Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-21 HecRamsey JRL i F5 64 6F E3 1F
	Case: SWB-21
	Command set: Information Date: Sun Aug 31 09:39:04 2003
	Date. Sun Aug 31 09.39.04 2003
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL
	Host: HecRamsey
	Number of drives 5, Drives: F5 64 6F E3 1F
	Case Cmd Drv Action Stat Cry Count Cmd Name
	0 SWB-21 <01> 80 Allowed 0000 Off 1 GetLastStatus 1 SWB-21 <04> 80 Allowed 0000 Off 1 VerifySectors
	2 SWB-21 <08> 80 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-21 <10> 80 Allowed 0000 Off 1 TestDriveReady
	4 SWB-21 <15> 80 Allowed 0000 Off 1 ReadDriveType
	5 SWB-21 <41> 80 Allowed 0000 Off 1 CheckForExtensions 6 SWB-21 <44> 80 Allowed 0000 Off 1 VerifySectors
	7 SWB-21 <48> 80 Allowed 0000 Off 1 GetDriveParms
	Results for SWB-21 category i on drive 80 No commands blocked (0 of 8)
	0 SWB-21 <01> 81 Allowed 0000 Off 1 GetLastStatus
	1 SWB-21 <04> 81 Allowed 0000 Off 1 VerifySectors 2 SWB-21 <08> 81 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-21 <10> 81 Allowed 0000 Off 1 TestDriveReady
	4 SWB-21 <15> 81 Allowed 0000 Off 1 ReadDriveType
	5 SWB-21 <41> 81 Allowed 0000 Off 1 CheckForExtensions
	6 SWB-21 <44> 81 Allowed 0000 Off 1 VerifySectors 7 SWB-21 <48> 81 Allowed 0000 Off 1 GetDriveParms
	7 SWB-21 <48> 81 Allowed 0000 Off 1 GetDriveParms Results for SWB-21 category i on drive 81 No commands blocked (0 of 8)
	0 SWB-21 <01> 82 Allowed 0000 Off 1 GetLastStatus
	1 SWB-21 <04> 82 Allowed 0000 Off 1 VerifySectors
	2 SWB-21 <08> 82 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-21 <10> 82 Allowed 0000 Off 1 TestDriveReady

Case SWB-21 HDL Int_13	Hard Disk Write Lock V0.8 021	1126 © RCMP 1993-2002
4 SWB	-21 <15> 82 Allowed 0000 Off	1 ReadDriveType
5 SWB	-21 <41> 82 Allowed 0000 Off	1 CheckForExtensions
	-21 <44> 82 Allowed 0000 Off	4
I	-21 <48> 82 Allowed 0000 Off	
		ve 82 No commands blocked (0 of 8)
	-21 <01> 83 Allowed 0000 Off	1 GetLastStatus
	-21 <04> 83 Allowed 0000 Off	1 VerifySectors
	-21 <08> 83 Allowed 0000 Off	1 ReadDriveParms
	-21 <10> 83 Allowed 0000 Off	1 TestDriveReady
	-21 <15> 83 Allowed 0000 Off	1 ReadDriveType
	-21 <41> 83 Allowed 0000 Off	1 CheckForExtensions
	-21 <44> 83 Allowed 0000 Off	
	-21 <48> 83 Allowed 0000 Off	
		ve 83 No commands blocked (0 of 8)
	-21 <01> 84 Allowed 0000 Off	1 GetLastStatus
	-21 <04> 84 Allowed 0000 Off	1 VerifySectors
	-21 <08> 84 Allowed 0000 Off	
	-21 <10> 84 Allowed 0000 Off	1 TestDriveReady
	-21 <15> 84 Allowed 0000 Off	4.4
	-21 <41> 84 Allowed 0000 Off	
6 SWB	-21 <44> 84 Allowed 0000 Off	1 VerifySectors
l l	-21 <48> 84 Allowed 0000 Off	l GetDriveParms ve 84 No commands blocked (0 of 8)
Summary Results:	: 40 sent, 0 blocked, 40 not k	olocked
Assert	ion Expected Results	Actual Results
AM-07	Tool active message	Tool active message
AM-08	5 drives identified	5 drives identified
AM-09	Drive 80 is unprotected	Drive 80 is unprotected
AM-09	Drive 81 is unprotected	Drive 81 is unprotected
AM-09	Drive 82 is protected	Drive 82 is protected
AM-09	Drive 83 is protected	Drive 83 is protected
AM-09	Drive 84 is protected	Drive 84 is protected
AM-11	0 Commands return fail	0 Commands return fail
AO-06	No cmds to drive 82 bloc	
AO-06	No cmds to drive 83 bloc	
AO-06		
	I NO CMOS TO OTIVE X4 DIO	
	No cmds to drive 84 bloc	
AO-07	No cmds to drive 80 bloc	cked No cmds to drive 80 blocked
		cked No cmds to drive 80 blocked

Case SWB-22 HDL -	- Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002		
Case Summary:	SWB-22 Install all drives, configure return code to success, protect		
	with pattern not first, execute information commands.		
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message		
Tested:	indicating that the tool is active.		
	SWB-AM-08. If the tool is executed then the tool shall issue a message		
	indicating all drives accessible by the covered interfaces.		
	SWB-AM-09. If the tool is executed then the tool shall issue a message		
	indicating the protection status of each drive attached to a		
	covered interface.		
	SWB-AM-10. If the tool is configured to return success on blocked		
	commands and the tool blocks a command then the return code shall		
	indicate successful command execution.		
	SWB-AO-06. If a subset of all covered drives is specified for		
	protection, then commands from the information category shall not		
	be blocked for drives in the selected subset.		
	SWB-AO-07. If a subset of all covered drives is specified for		
	protection, then no commands from any category shall be blocked for		
	drives not in the selected subset.		
Tester Name:	JRL		
Test Date:	Sun Aug 31 09:48:17 2003		
Test PC:	HecRamsey		
Test Software:	SWBT 1.0		
Hard Drives	Drive 80, label F5 is an IBM-DTLA-307020 with 40188960 sectors		
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors		
	Drive 82, label 6F is a Maxtor 6Y060L0 with 120103200 sectors		
	Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		

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Case SWB-22 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
	Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hd18 S1234 test-hd1 SWB-22 HecRamsey JRL i F5 64 6F E3 1F
	Shutdown Test PC
Log File	***** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service)
Highlights:	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:48:10) Going TSR ***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	OWNERS OF PRINTENSION PROBLEMS
	Licensee: US Dept. Commerce / NIST S/W Testing 5 Hard-Disks reported by Int 13h
	Hard-Disk 0 Not Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Locked! Hard-Disk 3 Locked!
	Hard-Disk 4 Locked!
	Write Lock successfully installed. ***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-22 HecRamsey JRL i F5 64 6F E3 1F
	Case: SWB-22 Command set: Information
	Date: Sun Aug 31 09:48:17 2003
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL
	Host: HecRamsey
	Number of drives 5, Drives: F5 64 6F E3 1F Case Cmd Drv Action Stat Cry Count Cmd Name
	0 SWB-22 <01> 80 Allowed 0000 Off 1 GetLastStatus
	1 SWB-22 <04> 80 Allowed 0000 Off 1 VerifySectors
	2 SWB-22 <08> 80 Allowed 0000 Off 1 ReadDriveParms 3 SWB-22 <10> 80 Allowed 0000 Off 1 TestDriveReady
	4 SWB-22 <15> 80 Allowed 0000 Off 1 ReadDriveType 5 SWB-22 <41> 80 Allowed 0000 Off 1 CheckForExtensions
	6 SWB-22 <44> 80 Allowed 0000 Off 1 VerifySectors
	6 SWB-22 <44> 80 Allowed 0000 Off 1 VerifySectors 7 SWB-22 <48> 80 Allowed 0000 Off 1 GetDriveParms
	Results for SWB-22 category i on drive 80 No commands blocked (0 of 8) 0 SWB-22 <01> 81 Allowed 0000 Off 1 GetLastStatus
	1 SWB-22 <04> 81 Allowed 0000 Off 1 VerifySectors
	2 SWB-22 <08> 81 Allowed 0000 Off 1 ReadDriveParms 3 SWB-22 <10> 81 Allowed 0000 Off 1 TestDriveReady
	4 SWB-22 <15> 81 Allowed 0000 Off 1 ReadDriveType
	5 SWB-22 <41> 81 Allowed 0000 Off 1 CheckForExtensions 6 SWB-22 <44> 81 Allowed 0000 Off 1 VerifySectors
	6 SWB-22 <44> 81 Allowed 0000 Off 1 VerifySectors 7 SWB-22 <48> 81 Allowed 0000 Off 1 GetDriveParms
	Results for SWB-22 category i on drive 81 No commands blocked (0 of 8)
	0 SWB-22 <01> 82 Allowed 0000 Off 1 GetLastStatus 1 SWB-22 <04> 82 Allowed 0000 Off 1 VerifySectors
	2 SWB-22 <08> 82 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-22 <10> 82 Allowed 0000 Off 1 TestDriveReady 4 SWB-22 <15> 82 Allowed 0000 Off 1 ReadDriveType
	5 SWB-22 <41> 82 Allowed 0000 Off 1 CheckForExtensions
	6 SWB-22 <44> 82 Allowed 0000 Off 1 VerifySectors
	7 SWB-22 <48> 82 Allowed 0000 Off 1 GetDriveParms Results for SWB-22 category i on drive 82 No commands blocked (0 of 8)
	0 SWB-22 <01> 83 Allowed 0000 Off 1 GetLastStatus
	1 SWB-22 <04> 83 Allowed 0000 Off 1 VerifySectors 2 SWB-22 <08> 83 Allowed 0000 Off 1 ReadDriveParms
	3 SWB-22 <10> 83 Allowed 0000 Off 1 TestDriveReady
	4 SWB-22 <15> 83 Allowed 0000 Off 1 ReadDriveType 5 SWB-22 <41> 83 Allowed 0000 Off 1 CheckForExtensions
	6 SWB-22 <44> 83 Allowed 0000 Off 1 VerifySectors
	7 SWB-22 <48> 83 Allowed 0000 Off 1 GetDriveParms

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Case SWB-22 HDL -	- Int_13 Hard	l Disk Write Lock VO.8 021126 @	RCMP 1993-2002
		SWB-22 category i on drive 83 301> 84 Allowed 0000 Off 1	
			GetLastStatus
			VerifySectors
		008> 84 Allowed 0000 Off 1	
		10> 84 Allowed 0000 Off 1	
		115> 84 Allowed 0000 Off 1	
		(41> 84 Allowed 0000 Off 1	
		(44> 84 Allowed 0000 Off 1	-
	-	(48> 84 Allowed 0000 Off 1	
		SWB-22 category i on drive 84	
	Summary: 40	sent, 0 blocked, 40 not blocke	ea
Results:		T =	T
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	5 drives identified	5 drives identified
	AM-09	Drive 80 is unprotected	Drive 80 is unprotected
	AM-09	Drive 81 is protected	Drive 81 is protected
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-09	Drive 83 is protected	Drive 83 is protected
	AM-09	Drive 84 is protected	Drive 84 is protected
	AM-10	0 Commands return success	0 Commands return success
	AO-06	No cmds to drive 81 blocked	No cmds to drive 81 blocked
	AO-06	No cmds to drive 82 blocked	No cmds to drive 82 blocked
	AO-06	No cmds to drive 83 blocked	No cmds to drive 83 blocked
	AO-06	No cmds to drvie 84 blocked	No cmds to drive 84 blocked
	AO-07	No cmds to drive 80 blocked	No cmds to drive 80 blocked
Analysis:	SWB-22 Expec	ted results achieved	

Case SWB-23 HDL	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-23 Install all drives, configure return code to failure, protect
	with pattern random u, execute control commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands
	and the tool blocks a command then the return code shall indicate
	unsuccessful command execution.
	SWB-AO-05. If a subset of all covered drives is specified for
	protection, then commands from the control category shall not be
	blocked for drives in the selected subset.
	SWB-A0-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:49:24 2003
Test PC:	Wimsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors
Used:	Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors
	Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tallv13
Executeu.	hdl8 023
	test-hdl SWB-23 Wimsey JRL c 90 8A E4 2B
	Shutdown Test PC
Log File	***** Monitor Execution *****
Highlights:	Monitor BIOS interrupt 13h (disk service)
J J + + +	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:49:21) Going TSR
	***** Install HDL Log *****
	HDL Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002

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```
Case SWB-23 HDL -- Int_13 Hard Disk Write Lock V0.8 021126 @ RCMP 1993-2002
                          ---- Royal Canadian Mounted Police ---
                          UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
                          Licensee: US Dept. Commerce / NIST S/W Testing
                          4 Hard-Disks reported by Int 13h
                          Hard-Disk 0
                                          Locked!
                          Hard-Disk 1 Not Locked!
                          Hard-Disk 2
                                         Locked!
                          Hard-Disk 3
                                          Locked!
                          Write Lock successfully installed.
                   ***** Test Harness Log *****
                   CMD: A:\TEST-HDL.EXE SWB-23 Wimsey JRL c 90 8A E4 2B
                   Case: SWB-23
                   Command set: Control
                   Date: Sun Aug 31 09:49:24 2003
                   Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
                           @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
                           Compiled on Aug 31 2003 at 08:10:54
                   Operator: JRL
                   Host: Wimsey
                   Number of drives 4, Drives: 90 8A E4 2B
                        Case Cmd Drv Action Stat Cry Count Cmd Name
                     0 SWB-23 <00> 80 Allowed 0000 Off 1 Reset 1 CWB-23 <00> 80 Allowed 0000 Off 1 SeekDrive
                                                            1 AltReset
                     2 SWB-23 <0D> 80 Allowed 0000 Off
                     3 SWB-23 <11> 80 Blocked 0300 On
                                                           0 Recalibrate
                     4 SWB-23 <47> 80 Blocked 0300 On
                                                             0 ExtendedSeek
                   Results for SWB-23 category c on drive 80 Not all commands blocked (2
                     0 SWB-23 <00> 81 Allowed 0000 Off
                                                             1 Reset
                     1 SWB-23 <0C> 81 Allowed 0000 Off
                                                             1
                                                                SeekDrive
                                                           1 AltReset
                     2 SWB-23 <0D> 81 Allowed 0000 Off
                     3 SWB-23 <11> 81 Allowed 0000 Off
                                                           1 Recalibrate
                     4 SWB-23 <47> 81 Allowed 0000 Off
                                                             1
                                                                ExtendedSeek
                   Results for SWB-23 category c on drive 81 No commands blocked (0 of 5)
                    0 SWB-23 <00> 82 Allowed 0000 Off 1 Reset
                     1 SWB-23 <0C> 82 Allowed 0000 Off 1 SeekDrive
2 SWB-23 <0D> 82 Allowed 0000 Off 1 AltReset
3 SWB-23 <11> 82 Blocked 0300 On 0 Recalibrate
4 SWB-23 <47> 82 Blocked 0300 On 0 ExtendedSeek
                   Results for SWB-23 category c on drive 82 Not all commands blocked (2
                   of 5)
                    0 SWB-23 <00> 83 Allowed 0000 Off
                                                            1 Reset
                     1 SWB-23 <OC> 83 Allowed 0000 Off
                                                           1 SeekDrive
1 AltReset
                     2 SWB-23 <0D> 83 Allowed 0000 Off
                                                            0 Recalibrate
                     3 SWB-23 <11> 83 Blocked 0300 On
                     4 SWB-23 <47> 83 Blocked 0300 On
                                                            0 ExtendedSeek
                   Results for SWB-23 category c on drive 83 Not all commands blocked (2
                   of 5)
                   Summary: 20 sent, 6 blocked, 14 not blocked
Results:
                                                                Actual Results
                    Assertion
                               Expected Results
                    AM-07
                                Tool active message
                                                                Tool active message
                    AM-08
                                 4 drives identified
                                                                 4 drives identified
                    AM-09
                                 Drive 80 is protected
                                                                 Drive 80 is protected
                                                                Drive 81 is unprotected
                                 Drive 81 is unprotected
                    AM - 0.9
                                                                 Drive 82 is protected
                                 Drive 82 is protected
                    AM-09
                    AM-09
                                 Drive 83 is protected
                                                                Drive 83 is protected
                    AM-11
                                 6 Commands return fail
                                                                6 Commands return fail
                    AO-05
                                                                Not all cmds to drive 80
                                 No cmds to drive 80 blocked
                                                                blocked
                    AO-05
                                 No cmds to drive 82 blocked
                                                                 Not all cmds to drive 82
                                                                blocked
                    AO-05
                                 No cmds to drive 83 blocked
                                                                 Not all cmds to drive 83
                                                                blocked
                                No cmds to drive 81 blocked No cmds to drive 81 blocked
                    AO-07
                  SWB-23 Expected results not achieved for assertions: AO-05
Analysis:
```

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Case SWB-24 HDL	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-24 Install all drives, configure return code to success, protect
7	with pattern even, execute control commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
	SWB-AO-05. If a subset of all covered drives is specified for
	protection, then commands from the control category shall not be
	blocked for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:18:25 2003
Test PC:	McMillan
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors
	Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors
Used:	
	Drive 82, label 64 is a WDC WD64AA with 12594960 sectors
	Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548
	sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hd18 S024
	test-hdl SWB-24 McMillan JRL c F6 6F 64 E3 1F
	Shutdown Test PC
Log File	***** Monitor Execution *****
Highlights:	Monitor BIOS interrupt 13h (disk service)
3 3	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:18:17) Going TSR
	***** Install HDL Log *****
	HDL Int 13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Onlight Coll / Piging Coll / Piging Coll P
	Licensee: US Dept. Commerce / NIST S/W Testing
	5 Hard-Disks reported by Int 13h
	Hard-Disk 1 Not Locked!
	Hard-Disk 2 Locked!
	Hard-Disk 3 Not Locked!
	Hard-Disk 4 Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-24 McMillan JRL c F6 6F 64 E3 1F
	Case: SWB-24
	Command set: Control
	Date: Sun Aug 31 09:18:25 2003
	2400. 54.1 114g 51 03.10.20 2000
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54
	Operator: JRL
	Host: McMillan
	Number of drives 5, Drives: F6 6F 64 E3 1F
	Case Cmd Drv Action Stat Cry Count Cmd Name
	0 SWB-24 <00> 80 Allowed 0000 Off 1 Reset
	0 SWB-24 <00> 80 Allowed 0000 Off 1 Reset
	0 SWB-24 <00> 80 Allowed 0000 Off 1 Reset 1 SWB-24 <0C> 80 Allowed 0000 Off 1 SeekDrive
	0 SWB-24 <00> 80 Allowed 0000 Off 1 Reset 1 SWB-24 <0C> 80 Allowed 0000 Off 1 SeekDrive 2 SWB-24 <0D> 80 Allowed 0000 Off 1 AltReset
	0 SWB-24 <00> 80 Allowed 0000 Off 1 Reset 1 SWB-24 <0C> 80 Allowed 0000 Off 1 SeekDrive 2 SWB-24 <0D> 80 Allowed 0000 Off 1 AltReset 3 SWB-24 <11> 80 Blocked 0000 Off 0 Recalibrate
	0 SWB-24 <00> 80 Allowed 0000 Off 1 Reset 1 SWB-24 <0C> 80 Allowed 0000 Off 1 SeekDrive 2 SWB-24 <0D> 80 Allowed 0000 Off 1 AltReset 3 SWB-24 <11> 80 Blocked 0000 Off 0 Recalibrate 4 SWB-24 <47> 80 Blocked 0000 Off 0 ExtendedSeek
	0 SWB-24 <00> 80 Allowed 0000 Off 1 Reset 1 SWB-24 <0C> 80 Allowed 0000 Off 1 SeekDrive 2 SWB-24 <0D> 80 Allowed 0000 Off 1 AltReset 3 SWB-24 <11> 80 Blocked 0000 Off 0 Recalibrate 4 SWB-24 <47> 80 Blocked 0000 Off 0 ExtendedSeek Results for SWB-24 category c on drive 80 Not all commands blocked (2
	0 SWB-24 <00> 80 Allowed 0000 Off 1 Reset 1 SWB-24 <0C> 80 Allowed 0000 Off 1 SeekDrive 2 SWB-24 <0D> 80 Allowed 0000 Off 1 AltReset 3 SWB-24 <11> 80 Blocked 0000 Off 0 Recalibrate 4 SWB-24 <47> 80 Blocked 0000 Off 0 ExtendedSeek Results for SWB-24 category c on drive 80 Not all commands blocked (2 of 5)
	0 SWB-24 <00> 80 Allowed 0000 Off 1 Reset 1 SWB-24 <0C> 80 Allowed 0000 Off 1 SeekDrive 2 SWB-24 <0D> 80 Allowed 0000 Off 1 AltReset 3 SWB-24 <11> 80 Blocked 0000 Off 0 Recalibrate 4 SWB-24 <47> 80 Blocked 0000 Off 0 ExtendedSeek Results for SWB-24 category c on drive 80 Not all commands blocked (2

Case SWB-24 HDI	L Int_13 Hard	l Disk Write Lock V0.8 021126 @	RCMP 1993-2002
		OD> 81 Allowed 0000 Off 1	
	3 SWB-24 <	(11> 81 Allowed 0000 Off 1 (47> 81 Allowed 0000 Off 1	Recalibrate
	4 SWB-24 <	(47> 81 Allowed 0000 Off 1	ExtendedSeek
		SWB-24 category c on drive 81	
	0 SWB-24 <	(00> 82 Allowed 0000 Off 1	Reset
	1 SWB-24 <	COC> 82 Allowed 0000 Off 1 1 (OD> 82 Allowed 0000 Off 1	SeekDrive
	2 SWB-24 <	(OD> 82 Allowed 0000 Off 1	AltReset
	3 SWB-24 <	(11> 82 Blocked 0000 Off 0 (47> 82 Blocked 0000 Off 0	Recalibrate
	4 SWB-24 <	(47> 82 Blocked 0000 Off 0	ExtendedSeek
	Results for of 5)	SWB-24 category c on drive 82	Not all commands blocked (2
	/	(00> 83 Allowed 0000 Off 1	Reset
			SeekDrive
	2 SMB=24 <	(ND) 83 Allowed 0000 Off 1	
	3 SMB=24 <	COD> 83 Allowed 0000 Off 1 C11> 83 Allowed 0000 Off 1	Pacalibrate
		47> 83 Allowed 0000 Off 1	
		SWB-24 category c on drive 83	
	0 SMB=34	100> 84 Allowed 0000 Off	Pagat
	1 SMB 24 ×	000> 84 Allowed 0000 Off 1 000> 84 Allowed 0000 Off 1	SeekDrive
	2 SMB=24 <	(ND> 84 Allowed 0000 Off 1	71+Paget
	3 SMB=24 <	COD> 84 Allowed 0000 Off 1 C11> 84 Blocked 0000 Off 0	Pacalibrate
		47> 84 Blocked 0000 Off 0	
	of 5)	sent, 6 blocked, 19 not blocke	Not all commands blocked (2
Results:	of 5) Summary: 25	sent, 6 blocked, 19 not blocke	ed
Results:	of 5) Summary: 25	sent, 6 blocked, 19 not blocked	Actual Results
Results:	of 5) Summary: 25 Assertion AM-07	sent, 6 blocked, 19 not blocked Expected Results Tool active message	Actual Results Tool active message
Results:	of 5) Summary: 25 Assertion AM-07 AM-08	sent, 6 blocked, 19 not blocked Expected Results Tool active message 5 drives identified	Actual Results Tool active message 5 drives identified
Results:	of 5) Summary: 25 Assertion AM-07 AM-08 AM-09	sent, 6 blocked, 19 not blocked Expected Results Tool active message 5 drives identified Drive 80 is protected	Actual Results Tool active message 5 drives identified Drive 80 is protected
Results:	of 5) Summary: 25 Assertion AM-07 AM-08 AM-09 AM-09	sent, 6 blocked, 19 not blocked Expected Results Tool active message 5 drives identified	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected
Results:	of 5) Summary: 25 Assertion AM-07 AM-08 AM-09 AM-09 AM-09	Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected
Results:	of 5) Summary: 25 Assertion AM-07 AM-08 AM-09 AM-09	Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected
Results:	of 5) Summary: 25 Assertion AM-07 AM-08 AM-09 AM-09 AM-09	Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09	sent, 6 blocked, 19 not blocked Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09	sent, 6 blocked, 19 not blocked Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-10	sent, 6 blocked, 19 not blocked Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-10	sent, 6 blocked, 19 not blocked Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success Not all cmds to drive 80
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-05	sent, 6 blocked, 19 not blocked Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected Commands return success No cmds to drive 80 blocked	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success Not all cmds to drive 80 blocked
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-05	sent, 6 blocked, 19 not blocked Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected Commands return success No cmds to drive 80 blocked	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success Not all cmds to drive 80 blocked Not all cmds to drive 82
Results:	of 5) Summary: 25 Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-05 AO-05	Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected Drive 84 is protected No cmds to drive 80 blocked No cmds to drive 82 blocked	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success Not all cmds to drive 80 blocked Not all cmds to drive 82 blocked
Results:	of 5) Summary: 25 Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-05 AO-05 AO-05	Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success No cmds to drive 80 blocked No cmds to drive 82 blocked No cmds to drive 84 blocked	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success Not all cmds to drive 80 blocked Not all cmds to drive 82 blocked Not all cmds to drive 84 blocked
Results:	of 5) Summary: 25 Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-05 AO-05 AO-05 AO-05	Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success No cmds to drive 80 blocked No cmds to drive 82 blocked No cmds to drive 84 blocked No cmds to drive 84 blocked	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success Not all cmds to drive 80 blocked Not all cmds to drive 82 blocked Not all cmds to drive 84 blocked Not all cmds to drive 84 blocked No cmds to drive 81 blocked
Results:	of 5) Summary: 25 Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-09 AM-09 AM-05 AO-05 AO-05	Expected Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success No cmds to drive 80 blocked No cmds to drive 82 blocked No cmds to drive 84 blocked	Actual Results Tool active message 5 drives identified Drive 80 is protected Drive 81 is unprotected Drive 82 is protected Drive 83 is unprotected Drive 84 is protected 6 Commands return success Not all cmds to drive 80 blocked Not all cmds to drive 82 blocked Not all cmds to drive 84 blocked

Case SWB-25 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-25 Install three drives, configure return code to failure, protect
	with pattern PUU, execute write commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands
	and the tool blocks a command then the return code shall indicate
	unsuccessful command execution.
	SWB-AO-01. If a subset of all covered drives is specified for
	protection, then commands from the write category shall be blocked
	for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 08:17:58 2003
Test PC:	Rumpole
Test Software:	SWBT 1.0

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Case SWB-25 HDL -	Int 13 Hard	Disk Write Lock VO.8 021126 @	RCMP 1993-2002
Hard Drives		bel 6F is a Maxtor 6Y060L0 wit	
Used:	Drive 81, la	bel 2B is a Quantum QM39100TD-	SCA Drive with 17783249
	sectors		
	Drive 82, la	bel 1F is a Quantum ATLAS10K3	18 SCA Drive with 35916548
	sectors		-
Commands		to (DOS 7.1) Windows 98 [Vers	ion 4.10.22221
Executed:	tallv13		
	hdl8 0		
		-25 Rumpole JRL w 6F 2B 1F	
	Shutdown Tes		
Log File		r Execution ****	
Highlights:		interrupt 13h (disk service)	
linging greet		piled on 07/29/03 at 07:33:17	
	_ =	1.1 Created 07/29/03 at 07:28	05
		3 at 08:17:55) Going TS	
		1 HDL Log *****	
		3 Hard Disk Write Lock V0.8 02	1126 (c)RCMP 1993-2002
	_	Royal Canadian Mounted Pol	
		CHORIZED USE / DISTRIBUTION F	
	0141101	HORIBED OUR / DIDIKIDOTION I	ROHIBITED
	Licen	see: US Dept. Commerce / NIST	S/W Testina
		rd-Disks reported by Int 13h	5/ W 10301119
		Disk 0 Locked!	
		Disk 1 Not Locked!	
		Disk 2 Not Locked!	
		Lock successfully installed.	
		arness Log ****	
			6 T 2 D 1 T
	CMD: A:\TEST	'-HDL.EXE SWB-25 Rumpole JRL w	0r 2B 1r
	Case: SWB-23		
	Date: Sun Au	g 31 08:17:58 2003	
	@(#) Comp: Comp: Operator: JR Host: Rumpol Number of dr Case C 0 SWB-25 < 1 SWB-25 < 2 SWB-25 < Results for 0 SWB-25 < 1 SWB-25 < 2 SWB-25 < 1 SWB-25 < 2 SWB-25 < 2 SWB-25 < Results for 0 SWB-25 < 2 SWB-25 < Results for 0 SWB-25 < Results for 0 SWB-25 < Results for	rives 3, Drives: 6F 2B 1F and Drv Action Stat Cry Count 103> 80 Blocked 0300 On 0 108> 80 Blocked 0300 On 0 143> 80 Blocked 0300 On 0 143> 80 Blocked 0300 On 0 143> 81 Blocked 0300 Off 1 108> 81 Allowed 0000 Off 1 143> 81 Allowed 0000 Off 1 158B-25 category w on drive 81	O8/31/03 at 08:18:19 4 Cmd Name WriteSectors WriteLong ExtWrite All commands blocked (3 of 3) WriteSectors WriteLong ExtWrite No commands blocked (0 of 3) WriteSectors WriteSectors WriteSectors WriteSectors WriteLong ExtWrite
Dogultar			
Results:	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-07 AM-08	3 drives identified	3 drives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	-	i -	†
	AM-09	Drive 81 is unprotected	Drive 81 is unprotected
	AM-09	Drive 82 is unprotected	Drive 82 is unprotected
	AM-11	3 Commands return fail	3 Commands return fail
	AO-01	All cmds to drive 80	All cmds to drive 80
	l	blocked	blocked
	AO-07	No cmds to drive 81 blocked	No cmds to drive 81 blocked
	AO-07	No cmds to drive 82 blocked	No cmds to drive 82 blocked
Analysis:	SWB-25 Expec	ted results achieved	
<u> </u>			

Case SWB-26 HDL -	- Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-26 Install three drives, configure return code to success, protect

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Case SWB-26 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002		
	with pattern UPU, execute write commands.		
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message		
Tested:	indicating that the tool is active.		
	SWB-AM-08. If the tool is executed then the tool shall issue a message		
	indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a message		
	indicating the protection status of each drive attached to a		
	covered interface.		
	SWB-AM-10. If the tool is configured to return success on blocked		
	commands and the tool blocks a command then the return code shall		
	indicate successful command execution.		
	SWB-AO-01. If a subset of all covered drives is specified for		
	protection, then commands from the write category shall be blocked		
	for drives in the selected subset.		
	SWB-AO-07. If a subset of all covered drives is specified for protection, then no commands from any category shall be blocked for		
	drives not in the selected subset.		
Tester Name:	JRL		
Test Date:	Sun Aug 31 09:09:04 2003		
Test PC:	Wimsey		
Test Software:	SWBT 1.0		
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors		
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors		
	Drive 82, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors		
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]		
Executed:	tally13		
	hdl8 S1		
	test-hdl SWB-26 Wimsey JRL w 90 64 E3 Shutdown Test PC		
Log File	**** Monitor Execution ****		
Highlights:	Monitor BIOS interrupt 13h (disk service)		
5 5 1	tally13 compiled on 07/29/03 at 07:33:17		
	@(#) Version 1.1 Created 07/29/03 at 07:28:05		
	Now (08/31/03 at 09:09:02) Going TSR		
	***** Install HDL Log *****		
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002		
	Royal Canadian Mounted Police		
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED		
	Licensee: US Dept. Commerce / NIST S/W Testing		
	3 Hard-Disks reported by Int 13h		
	Hard-Disk 0 Not Locked!		
	Hard-Disk 1 Locked!		
	Hard-Disk 2 Not Locked!		
	Write Lock successfully installed.		
	***** Test Harness Log *****		
	CMD: A:\TEST-HDL.EXE SWB-26 Wimsey JRL w 90 64 E3		
	Case: SWB-26		
	Command set: Write Date: Sun Aug 31 09:09:04 2003		
	Date. Sull Aug 31 09.09.04 2003		
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51		
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19		
	Compiled on Aug 31 2003 at 08:10:54		
	Operator: JRL		
	Host: Wimsey		
	Number of drives 3, Drives: 90 64 E3		
	Case Cmd Drv Action Stat Cry Count Cmd Name		
	0 SWB-26 <03> 80 Allowed 0000 Off 1 WriteSectors 1 SWB-26 <0B> 80 Allowed 0000 Off 1 WriteLong		
	2 SWB-26 <43> 80 Allowed 0000 Off 1 ExtWrite		
	Results for SWB-26 category w on drive 80 No commands blocked (0 of 3)		
	0 SWB-26 <03> 81 Blocked 0000 Off 0 WriteSectors		
	1 SWB-26 <ob> 81 Blocked 0000 Off O WriteLong</ob>		
	2 SWB-26 <43> 81 Blocked 0000 Off 0 ExtWrite		
	Results for SWB-26 category w on drive 81 All commands blocked (3 of 3)		
	0 SWB-26 <03> 82 Allowed 0000 Off 1 WriteSectors		
	1 SWB-26 <0B> 82 Allowed 0000 Off 1 WriteLong		
	2 SWB-26 <43> 82 Allowed 0000 Off 1 ExtWrite		
	Results for SWB-26 category w on drive 82 No commands blocked (0 of 3)		
	Summary: 9 sent, 3 blocked, 6 not blocked		
	1		

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Assertion	Expected Results	Actual Results
AM-07	Tool active message	Tool active message
AM-08	3 drives identified	3 drives identified
AM-09	Drive 80 is unprotected	Drive 80 is unprotected
AM-09	Drive 81 is protected	Drive 81 is protected
AM-09	Drive 82 is unprotected	Drive 82 is unprotected
AM-10	3 Commands return success	3 Commands return success
AO-01	All cmds to drive 81 blocked	All cmds to drive 81 blocked
AO-07	No cmds to drive 80 blocked	No cmds to drive 80 blocked
AO-07	No cmds to drive 82 blocked	No cmds to drive 82 blocked

Case SWB-27 HDL	Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-27 Install three drives, configure return code to failure, protect with pattern UUP, execute write commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active. SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a message indicating the protection status of each drive attached to a covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands and the tool blocks a command then the return code shall indicate unsuccessful command execution. SWB-AO-01. If a subset of all covered drives is specified for protection, then commands from the write category shall be blocked for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for protection, then no commands from any category shall be blocked for drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:16:57 2003
Test PC:	McCloud
Test Software:	SWBT 1.0
Hard Drives Used:	Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors Drive 81, label F5 is an IBM-DTLA-307020 with 40188960 sectors Drive 82, label F6 is an IBM-DTLA-307020 with 40188960 sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13 hd18 2 test-hd1 SWB-27 McCloud JRL w 8A F5 F6 Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:16:50) Going TSR ****** Install HDL Log ***** HDL Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing 3 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked! Hard-Disk 1 Not Locked! Hard-Disk 2 Locked! Write Lock successfully installed. ***** Test Harness Log ***** CMD: A:\TEST-HDL.EXE SWB-27 McCloud JRL w 8A F5 F6 Case: SWB-27 Command set: Write Date: Sun Aug 31 09:16:57 2003 Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54

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Case SWB-2/ HDL	Int_13 Hard	d Disk Write Lock VO.8 021126 @	RCMP 1993-2002
	Operator: JF	RL	
	Host: McClou	ıd	
	Number of dr	rives 3, Drives: 8A F5 F6	
	Case C	Cmd Drv Action Stat Cry Count	Cmd Name
		<pre><03> 80 Allowed 0000 Off 1</pre>	
	1 SWB-27 <	OB> 80 Allowed 0000 Off 1	WriteLong
	2 SWB-27 <	<pre><43> 80 Allowed 0000 Off 1</pre>	ExtWrite
		SWB-27 category w on drive 80	
	0 SWB-27 <	<pre><03> 81 Allowed 0000 Off 1</pre>	WriteSectors
	1 SWB-27 <	<pre>303> 81 Allowed 0000 Off 1 308> 81 Allowed 0000 Off 1</pre>	WriteLong
	2 SWB-27 <	<pre><43> 81 Allowed 0000 Off 1</pre>	ExtWrite
		SWB-27 category w on drive 81	
		<pre><03> 82 Blocked 0300 On</pre>	
		<pre><0B> 82 Blocked 0300 On</pre>	
		<pre><43> 82 Blocked 0300 On 0</pre>	
		SWB-27 category w on drive 82	All commands blocked (3 of 3)
	Summary: 9 s	non+ 2 blooked 6 no+ blooked	
	ounding 1. o	sent, 3 blocked, 6 not blocked	
		sent, 3 blocked, 6 not blocked	
	Sammary. 3 s	ent, 3 blocked, 6 not blocked	
Results:			
Results:	Assertion	Expected Results	Actual Results
Results:	Assertion AM-07	Expected Results Tool active message	Tool active message
Results:	Assertion AM-07 AM-08	Expected Results Tool active message 3 drives identified	Tool active message 3 drives identified
Results:	Assertion AM-07	Expected Results Tool active message	Tool active message
Results:	Assertion AM-07 AM-08	Expected Results Tool active message 3 drives identified	Tool active message 3 drives identified
Results:	Assertion AM-07 AM-08 AM-09	Expected Results Tool active message 3 drives identified Drive 80 is unprotected	Tool active message 3 drives identified Drive 80 is unprotected
Results:	Assertion AM-07 AM-08 AM-09 AM-09	Expected Results Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09	Expected Results Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-11	Expected Results Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-11	Expected Results Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail All cmds to drive 82	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail All cmds to drive 82
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-01 AO-01	Expected Results Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail All cmds to drive 82 blocked	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail All cmds to drive 82 blocked
Results:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-11 AO-01	Expected Results Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail All cmds to drive 82 blocked No cmds to drive 80 blocked	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail All cmds to drive 82 blocked No cmds to drive 80 blocked
Results: Analysis:	Assertion AM-07 AM-08 AM-09 AM-09 AM-09 AM-09 AM-01 AO-01	Expected Results Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail All cmds to drive 82 blocked No cmds to drive 80 blocked	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is unprotected Drive 82 is protected 3 Commands return fail All cmds to drive 82 blocked No cmds to drive 80 blocked

Case SWB-28 HDL	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002			
Case Summary:	SWB-28 Install three drives, configure return code to success, protect			
	with pattern UPP, execute write commands.			
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message			
Tested:	indicating that the tool is active.			
	SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces.			
	SWB-AM-09. If the tool is executed then the tool shall issue a message			
	indicating the protection status of each drive attached to a covered interface.			
	SWB-AM-10. If the tool is configured to return success on blocked			
	commands and the tool blocks a command then the return code shall indicate successful command execution.			
	SWB-AO-01. If a subset of all covered drives is specified for			
	protection, then commands from the write category shall be blocked			
	for drives in the selected subset.			
	SWB-AO-07. If a subset of all covered drives is specified for			
	protection, then no commands from any category shall be blocked for			
	drives not in the selected subset.			
Tester Name:	JRL			
Test Date:	Sun Aug 31 08:20:42 2003			
Test PC:	Rumpole			
Test Software:	SWBT 1.0			
Hard Drives	Drive 80, label 6F is a Maxtor 6Y060L0 with 120103200 sectors			
Used:	Drive 81, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors			
	Drive 82, label 1F is a Quantum ATLAS10K3 18 SCA Drive with 35916548			
	sectors			
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]			
Executed:	tally13			
	hd18 S12			
	test-hdl SWB-28 Rumpole JRL w 6F 2B 1F			
	Shutdown Test PC			
Log File	**** Monitor Execution ****			
Highlights:	Monitor BIOS interrupt 13h (disk service)			
J	tally13 compiled on 07/29/03 at 07:33:17			
	@(#) Version 1.1 Created 07/29/03 at 07:28:05			

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```
Case SWB-28 HDL -- Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
                  Now (08/31/03 at 08:20:40) Going . . .
                  ***** Install HDL Log *****
                  HDL -- Int 13 Hard Disk Write Lock V0.8 021126 (c) RCMP 1993-2002
                         --- Royal Canadian Mounted Police ----
                         UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
                         Licensee: US Dept. Commerce / NIST S/W Testing
                         3 Hard-Disks reported by Int_13h
                         Hard-Disk 0 Not Locked!
                         Hard-Disk 1
                                        Locked!
                         Hard-Disk 2
                                        Locked!
                        Write Lock successfully installed.
                  **** Test Harness Log ****
                  CMD: A:\TEST-HDL.EXE SWB-28 Rumpole JRL w 6F 2B 1F
                  Case: SWB-28
                  Command set: Write
                  Date: Sun Aug 31 08:20:42 2003
                  Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
                         @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
                         Compiled on Aug 31 2003 at 08:10:54
                  Operator: JRI
                  Host: Rumpole
                  Number of drives 3, Drives: 6F 2B 1F
                       Case Cmd Drv Action Stat Cry Count Cmd Name
                    0 SWB-28 <03> 80 Allowed 0000 Off 1 WriteSectors
                                                         1 WriteLong
                    1 SWB-28 <0B> 80 Allowed 0000 Off
                    2 SWB-28 <43> 80 Allowed 0000 Off
                                                            ExtWrite
                  Results for SWB-28 category w on drive 80 No commands blocked (0 of 3)
                   0 SWB-28 <03> 81 Blocked 0000 Off 0 WriteSectors
                                                        0 WriteLong
0 ExtWrite
                    1 SWB-28 <0B> 81 Blocked 0000 Off
                    2 SWB-28 <43> 81 Blocked 0000 Off
                  Results for SWB-28 category w on drive 81 All commands blocked (3 of 3)
                   0 SWB-28 <03> 82 Blocked 0000 Off \, 0 WriteSectors
                                                        0 WriteLong
0 ExtWrite
                    1 SWB-28 <0B> 82 Blocked 0000 Off
                    2 SWB-28 <43> 82 Blocked 0000 Off
                  Results for SWB-28 category w on drive 82 All commands blocked (3 of 3)
                  Summary: 9 sent, 6 blocked, 3 not blocked
Results:
                                                             Actual Results
                   Assertion | Expected Results
                   AM-07
                               Tool active message
                                                             Tool active message
                   AM-08
                               3 drives identified
                                                             3 drives identified
                               Drive 80 is unprotected
                                                             Drive 80 is unprotected
                   AM-09
                   AM-09
                               Drive 81 is protected
                                                             Drive 81 is protected
                                                             Drive 82 is protected
                   AM-09
                               Drive 82 is protected
                   AM-10
                               6 Commands return fail
                                                             6 Commands return fail
                               All cmds to drive 81
                                                             All cmds to drive 81
                   AO-01
                               blocked
                                                             blocked
                               All cmds to drive 82
                                                             All cmds to drive 82
                               blocked
                                                             blocked
                               No cmds to drive 80 blocked No cmds to drive 80 blocked
                   AO-07
Analysis:
                  SWB-28 Expected results achieved
```

Case SWB-29 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002			
Case Summary:	SWB-29 Install three drives, configure return code to failure, protect			
	with pattern PUP, execute write commands.			
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message			
Tested:	indicating that the tool is active.			
	SWB-AM-08. If the tool is executed then the tool shall issue a message			
	indicating all drives accessible by the covered interfaces.			
	SWB-AM-09. If the tool is executed then the tool shall issue a message			
	indicating the protection status of each drive attached to a			
	covered interface.			
	SWB-AM-11. If the tool is configured to return fail on blocked commands			
	and the tool blocks a command then the return code shall indicate			
	unsuccessful command execution.			
	SWB-AO-01. If a subset of all covered drives is specified for			
	protection, then commands from the write category shall be blocked			
	for drives in the selected subset.			

Case SWB-29 HDT	Int 13 Hard	Disk Write Lock V0.8 021126 @	RCMP 1993-2002
Case SWB 29 IIDE		f a subset of all covered driv	
			<u> </u>
	protection, then no commands from any category shall be blocked for drives not in the selected subset.		
Tester Name:	JRL		
Test Date:	Sun Aug 31 0	9:12:16 2003	
Test PC:	Wimsey		
Test Software:	SWBT 1.0		
Hard Drives	Drive 80, la	bel 90 is a WDC WD300BB-00CAA0	with 58633344 sectors
Used:	Drive 81, la	bel 64 is a WDC WD64AA with 12	594960 sectors
	Drive 82, la	bel E3 is a QUANTUM ATLAS10K2-	TY092J with 17938985 sectors
Commands		to (DOS 7.1) Windows 98 [Vers	sion 4.10.2222]
Executed:	tally13		
	hd18 02	00! 00 640	
		-29 Wimsey JRL w 90 64 E3	
Log File	Shutdown Tes	r Execution ****	
Highlights:		interrupt 13h (disk service)	
nightights.		piled on 07/29/03 at 07:33:17	
		1.1 Created 07/29/03 at 07:28	s:05
		3 at 09:12:13) Going TS	
	· ·	l HDL Log ****	
	HDL Int 1	3 Hard Disk Write Lock V0.8 02	1126 (c)RCMP 1993-2002
		Royal Canadian Mounted Pol	ice
	UNAUT	HORIZED USE / DISTRIBUTION F	PROHIBITED
			- /
		see: US Dept. Commerce / NIST	S/W Testing
		rd-Disks reported by Int_13h Disk 0 Locked!	
		Disk U Locked! Disk 1 Not Locked!	
		Disk 1 NOL LOCKED! Disk 2 Locked!	
		Lock successfully installed.	
		arness Log ****	
		-HDL.EXE SWB-29 Wimsey JRL w 9	0 64 E3
	Case: SWB-29	_	
	Command set: Write		
	Date: Sun Aug 31 09:12:16 2003		
) test-hdl.cpp Version 1.1 Cre	
	,	wb-defs.h Version 1.2 Created	
	_	.led on Aug 31 2003 at 08:10:5	4
	Operator: JR Host: Wimsey		
	_	ives 3, Drives: 90 64 E3	
		md Drv Action Stat Cry Count	Cmd Name
		03> 80 Blocked 0300 On 0	
	1 SWB-29 <0B> 80 Blocked 0300 On		
	Results for SWB-29 category w on drive 80 All commands blocked (3 of 3)		
	0 SWB-29 <	03> 81 Allowed 0000 Off 1	WriteSectors
	1 SWB-29 <	0B> 81 Allowed 0000 Off 1 43> 81 Allowed 0000 Off 1	WriteLong
		43> 81 Allowed 0000 Off 1 SWB-29 category w on drive 81	
			WriteSectors
			WriteLong
			ExtWrite
		SWB-29 category w on drive 82	
		ent, 6 blocked, 3 not blocked	
Results:	300000	Emported Describe	Actual Beaute
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08 AM-09	3 drives identified Drive 80 is protected	3 drives identified Drive 80 is protected
	AM-09 AM-09	Drive 80 is protected Drive 81 is unprotected	Drive 80 is protected Drive 81 is unprotected
	AM-09 AM-09	Drive 82 is protected	Drive 82 is protected
	AM-11	6 Commands return fail	6 Commands return fail
	AM-11 AO-01	All cmds to drive 80	All cmds to drive 80
	110 01	blocked	blocked
	AO-01	All cmds to drive 82	All cmds to drive 82
		blocked	blocked
	AO-07	No cmds to drive 81 blocked	No cmds to drive 81 blocked

Case SWB-29 HDL -	- Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Analysis:	SWB-29 Expected results achieved

Case SWB-30 HDL	Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-30 Install three drives, configure return code to success, protect
	with pattern PPU, execute write commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
	SWB-AO-01. If a subset of all covered drives is specified for
	protection, then commands from the write category shall be blocked
	for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 08:24:15 2003
Test PC:	Rumpole
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 6F is a Maxtor 6Y060L0 with 120103200 sectors
Used:	Drive 81, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors
	Drive 82, label 1F is a Quantum ATLAS10K3 18 SCA Drive with 35916548
	sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tallv13
Encoucea:	hdl8 S01
	test-hdl SWB-30 Rumpole JRL w 6F 2B 1F
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
3	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 08:24:10) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	3 Hard-Disks reported by Int_13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Not Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-30 Rumpole JRL w 6F 2B 1F Case: SWB-30
	Command set: Write
	Date: Sun Aug 31 08:24:15 2003
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54
	Compiled on Aug 31 2003 at 08:10:54
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Rumpole
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Rumpole Number of drives 3, Drives: 6F 2B 1F
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Rumpole Number of drives 3, Drives: 6F 2B 1F Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-30 <03> 80 Blocked 0000 Off 0 WriteSectors 1 SWB-30 <0B> 80 Blocked 0000 Off 0 WriteLong
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Rumpole Number of drives 3, Drives: 6F 2B 1F Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-30 <03> 80 Blocked 0000 Off 0 WriteSectors
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Rumpole Number of drives 3, Drives: 6F 2B 1F Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-30 <03> 80 Blocked 0000 Off 0 WriteSectors 1 SWB-30 <0B> 80 Blocked 0000 Off 0 WriteLong 2 SWB-30 <43> 80 Blocked 0000 Off 0 ExtWrite Results for SWB-30 category w on drive 80 All commands blocked (3 of 3)
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Rumpole Number of drives 3, Drives: 6F 2B 1F Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-30 <03> 80 Blocked 0000 Off 0 WriteSectors 1 SWB-30 <0B> 80 Blocked 0000 Off 0 WriteLong 2 SWB-30 <43> 80 Blocked 0000 Off 0 ExtWrite Results for SWB-30 category w on drive 80 All commands blocked (3 of 3) 0 SWB-30 <03> 81 Blocked 0000 Off 0 WriteSectors
	Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Rumpole Number of drives 3, Drives: 6F 2B 1F Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-30 <03> 80 Blocked 0000 Off 0 WriteSectors 1 SWB-30 <0B> 80 Blocked 0000 Off 0 WriteLong 2 SWB-30 <43> 80 Blocked 0000 Off 0 ExtWrite Results for SWB-30 category w on drive 80 All commands blocked (3 of 3)

Case SWB-30 HDL Int_13 Hard Disk Write Lock V0.8 021126 @ RCMP 1993-2002				
	0 SWB-30 < 1 SWB-30 < 2 SWB-30 < Results for	SWB-30 category w on drive 81 (03> 82 Allowed 0000 Off 1 (0B> 82 Allowed 0000 Off 1 (43> 82 Allowed 0000 Off 1 SWB-30 category w on drive 82 eent, 6 blocked, 3 not blocked	WriteSectors WriteLong ExtWrite	
Results:				
	Assertion	Expected Results	Actual Results	
	AM-07	Tool active message	Tool active message	
	AM-08	3 drives identified	3 drives identified	
	AM-09	Drive 80 is protected	Drive 80 is protected	
	AM-09	Drive 81 is protected	Drive 81 is protected	
	AM-09	Drive 82 is unprotected	Drive 82 is unprotected	
	AM-10	6 Commands return success	6 Commands return success	
	AO-01	All cmds to drive 80	All cmds to drive 80	
		blocked	blocked	
	AO-01	All cmds to drive 81	All cmds to drive 81	
		blocked	blocked	
	AO-07	No cmds to drive 82 blocked	No cmds to drive 82 blocked	
Analysis:	SWB-30 Expec	ted results achieved		

Case SWB-31 HDL	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-31 Install three drives, configure return code to failure, protect
	with pattern PUU, execute read commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands
	and the tool blocks a command then the return code shall indicate
	unsuccessful command execution.
	SWB-AO-04. If a subset of all covered drives is specified for
	protection, then commands from the read category shall not be
	blocked for drives in the selected subset.
	SWB-A0-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:21:35 2003
Test PC:	McCloud
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors
Used:	Drive 81, label F5 is an IBM-DTLA-307020 with 40188960 sectors
	Drive 82, label F6 is an IBM-DTLA-307020 with 40188960 sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13 hd18 0
	test-hdl SWB-31 McCloud JRL r 8A F5 F6
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
ggoo.	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:21:28) Going TSR
	***** Install HDL Log *****
	HDL Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	3 Hard-Disks reported by Int 13h
	Hard-Disks reported by Int_ISN Hard-Disk 0 Locked!
	Hard-Disk 1 Not Locked!
	Hard-Disk 2 Not Locked!
	Write Lock successfully installed.

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Case SWB-31 HDL Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002				
	***** Test Harness Log ***** CMD: A:\TEST-HDL.EXE SWB-31 McCloud JRL r 8A F5 F6 Case: SWB-31 Command set: Read Date: Sun Aug 31 09:21:35 2003			
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: McCloud			
	Number of drives 3, Drives: 8A F5 F6 Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-31 <02> 80 Allowed 0000 Off 1 ReadLong 2 SWB-31 <42> 80 Allowed 0000 Off 1 ExtRead Results for SWB-31 category r on drive 80 No commands blocked (0 of 3) 0 SWB-31 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-31 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-31 <42> 81 Allowed 0000 Off 1 ExtRead Results for SWB-31 category r on drive 81 No commands blocked (0 of 3) 0 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-31 <02> 82 Allowed 0000 Off 1 ExtRead Results for SWB-31 category r on drive 82 No commands blocked (0 of 3) Summary: 9 sent, 0 blocked, 9 not blocked			
Results:				
	Assertion	Expected Results	Actual Results	
	AM-07	Tool active message	Tool active message	
	AM-08	3 drives identified	3 drives identified	
	AM-09	Drive 80 is protected	Drive 80 is protected	
	AM-09	Drive 81 is unprotected	Drive 81 is unprotected	
	AM-09	Drive 82 is unprotected	Drive 82 is unprotected	
	AM-11	0 Commands return fail	0 Commands return fail	
	AO-04	No cmds to drive 80 blocked	No cmds to drive 80 blocked	
	AO-07	No cmds to drive 81 blocked	No cmds to drive 81 blocked	
	AO-07	No cmds to drive 82 blocked	No cmds to drive 82 blocked	
Analysis:	SWB-31 Expec	ted results achieved		

Case SWB-32 HDT	Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-32 Install three drives, configure return code to success, protect with pattern UPU, execute read commands.
Assertions Tested:	SWB-AM-07. If the tool is executed then the tool shall issue a message indicating that the tool is active. SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a message indicating the protection status of each drive attached to a covered interface. SWB-AM-10. If the tool is configured to return success on blocked commands and the tool blocks a command then the return code shall indicate successful command execution. SWB-AO-04. If a subset of all covered drives is specified for protection, then commands from the read category shall not be blocked for drives in the selected subset. SWB-AO-07. If a subset of all covered drives is specified for protection, then no commands from any category shall be blocked for drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 09:15:59 2003
Test PC:	Wimsey
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors
	Drive 82, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
Commands Executed:	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222] tally13 hdl8 S1

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		l Disk Write Lock V0.8 021126 (© RCMP 1993-2002			
		test-hdl SWB-32 Wimsey JRL r 90 64 E3				
T 713	Shutdown Tes					
Log File		r Execution ****				
Highlights:		Monitor BIOS interrupt 13h (disk service)				
		piled on 07/29/03 at 07:33:17				
		1.1 Created 07/29/03 at 07:28				
	Now (08/31/03 at 09:15:56) Going TSR ***** Install HDL Log ***** UD1					
	_	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police				
		-				
	UNAU1	HORIZED USE / DISTRIBUTION	SKOHIBITED			
	Ligar	soo: IIS Dont Commorce / NIST	C/W Tocting			
		Licensee: US Dept. Commerce / NIST S/W Testing 3 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked! Hard-Disk 1 Locked!				
		Disk 2 Not Locked!				
		Lock successfully installed.				
		arness Log ****				
		-HDL.EXE SWB-32 Wimsey JRL r	90 64 E3			
	Case: SWB-32	_				
	Command set:					
		ig 31 09:15:59 2003				
	Bacc. ban no	9 31 03.13.33 2003				
	Version: @(#) test-hdl.cpp Version 1.1 Cre	eated 08/23/03 at 10:13:51			
		Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19				
		iled on Aug 31 2003 at 08:10:5				
	-	Operator: JRL				
	Host: Wimsey					
	-	ives 3, Drives: 90 64 E3				
		md Drv Action Stat Cry Count	Cmd Name			
		0 SWB-32 <02> 80 Allowed 0000 Off				
	1 SWB-32 <					
	2 SWB-32 <					
	Results for					
	0 SWB-32 <					
	1 SWB-32 <					
	2 SWB-32 <	2 SWB-32 <42> 81 Allowed 0000 Off 1 ExtRead Results for SWB-32 category r on drive 81 No commands blocked (0 of 3)				
	Results for					
	0 SWB-32 <02> 82 Allowed 0000 Off 1 ReadSectors					
	1 SWB-32 <	OA> 82 Allowed 0000 Off 1	ReadLong			
		42> 82 Allowed 0000 Off 1				
		SWB-32 category r on drive 82	No commands blocked (0 of 3)			
	Summary: 9 s	ent, 0 blocked, 9 not blocked				
Results:						
Results:		Expected Results	Actual Results			
Results:	AM-07	Tool active message	Tool active message			
Results:	AM-07 AM-08	Tool active message 3 drives identified	Tool active message 3 drives identified			
Results:	AM-07 AM-08 AM-09	Tool active message	Tool active message			
Results:	AM-07 AM-08	Tool active message 3 drives identified	Tool active message 3 drives identified			
Results:	AM-07 AM-08 AM-09	Tool active message 3 drives identified Drive 80 is unprotected	Tool active message 3 drives identified Drive 80 is unprotected			
Results:	AM-07 AM-08 AM-09 AM-09	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected			
Results:	AM-07 AM-08 AM-09 AM-09 AM-09	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected Drive 82 is unprotected	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected Drive 82 is unprotected			
Results:	AM-07 AM-08 AM-09 AM-09 AM-09 AM-10	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected Drive 82 is unprotected 0 Commands return success No cmds to drive 81 blocked	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected Drive 82 is unprotected 0 Commands return success No cmds to drive 81 blocked			
Results:	AM-07 AM-08 AM-09 AM-09 AM-09 AM-10 AO-04	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected Drive 82 is unprotected 0 Commands return success No cmds to drive 81 blocked No cmds to drive 80 blocked	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected Drive 82 is unprotected 0 Commands return success No cmds to drive 81 blocked No cmds to drive 80 blocked			
Results:	AM-07 AM-08 AM-09 AM-09 AM-09 AM-10 AO-04 AO-07	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected Drive 82 is unprotected 0 Commands return success No cmds to drive 81 blocked	Tool active message 3 drives identified Drive 80 is unprotected Drive 81 is protected Drive 82 is unprotected 0 Commands return success No cmds to drive 81 blocked			

Case SWB-33 HDL -	- Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002			
Case Summary:	SWB-33 Install three drives, configure return code to failure, protect			
	with pattern UUP, execute read commands.			
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message			
Tested:	indicating that the tool is active.			
	SWB-AM-08. If the tool is executed then the tool shall issue a message			
	indicating all drives accessible by the covered interfaces.			
	SWB-AM-09. If the tool is executed then the tool shall issue a message			
	indicating the protection status of each drive attached to a			
	covered interface.			
	SWB-AM-11. If the tool is configured to return fail on blocked commands			

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Case SWB-33 HDT	- Int 13 Hard	Disk Write Lock V0.8 021126 @	RCMP 1993-2002	
Tester Name: Test Date:	and the tool blocks a command then the return code shall indicate unsuccessful command execution. SWB-AO-04. If a subset of all covered drives is specified for protection, then commands from the read category shall not be blocked for drives in the selected subset. SWB-AO-07. If a subset of all covered drives is specified for protection, then no commands from any category shall be blocked for drives not in the selected subset. JRL Sun Aug 31 08:26:26 2003			
Test PC:	Rumpole			
Test Software:	SWBT 1.0			
Hard Drives Used:	Drive 81, la sectors Drive 82, la sectors	bel 6F is a Maxtor 6Y060L0 wit bel 2B is a Quantum QM39100TD- bel 1F is a Quantum ATLAS10K3_	SCA Drive with 17783249 18_SCA Drive with 35916548	
Commands Executed:	tally13 hd18 2 test-hdl SWB Shutdown Tes	t PC	sion 4.10.2222]	
Log File Highlights:	hdl8 2 test-hdl SWB-33 Rumpole JRL r 6F 2B 1F Shutdown Test PC ***** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service) tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 08:26:23) Going TSR ***** Install HDL Log ***** HDL Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMF 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 3 Hard-Disk Not Locked! Hard-Disk 1 Not Locked! Hard-Disk 1 Not Locked! Hard-Disk 2 Locked! Write Lock successfully installed. ***** Test Harness Log ***** CMD: A:VEST-HDL.EXE SWB-33 Rumpole JRL r 6F 2B 1F Case: SWB-33 Command set: Read Date: Sun Aug 31 08:26:26 2003 Version: @(#) wb-defs.h Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Rumpole Number of drives 3, Drives: 6F 2B 1F Case Cmd Dry Action Stat Cry Count Cmd Name 0 SWB-33 <02> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-33 <04> 80 Allowed 0000 Off 1 ReadGoot 2 SWB-33 <42> 80 Allowed 0000 Off 1 ReadLong 2 SWB-33 <42> 80 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong 2 SWB-33 <02> 82 Allowed 0000 Off 1 ExtRead Results for SWB-33 category r on drive 81 No commands blocked (0 of 3) 0 SWB-33 <02> 82 Allowed 0000 Off 1 ReadLong		Cmd Name ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead ExtRead ReadLong ExtRead ReadLong ExtRead ReadLong ExtRead	
Results:				
	Assertion	Expected Results	Actual Results	
	AM-07	Tool active message	Tool active message	
	AM-08	3 drives identified	3 drives identified	
	AM-09	Drive 80 is unprotected	Drive 80 is unprotected	
	AM-09	Drive 81 is unprotected	Drive 81 is unprotected	
<u>I</u>	<u> </u>			

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Case SWB-33 HDL -	- Int_13 Hard	Disk Write Lock VO.8 021126 ©	RCMP 1993-2002
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-11	0 Commands return fail	0 Commands return fail
	AO-04	No cmds to drive 82 blocked	No cmds to drive 82 blocked
	AO-07	No cmds to drive 80 blocked	No cmds to drive 80 blocked
	AO-07	No cmds to drive 81 blocked	No cmds to drive 81 blocked
Analysis:	SWB-33 Expec	ted results achieved	

Casa SMP-34 NDI -	Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-34 Install three drives, configure return code to success, protect
case summary.	with pattern UPP, execute read commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
100000.	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
	SWB-AO-04. If a subset of all covered drives is specified for
	protection, then commands from the read category shall not be
	blocked for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
Tooton Name:	drives not in the selected subset.
Tester Name: Test Date:	JRL Sun Aug 31 09:26:05 2003
	McCloud
Test PC: Test Software:	
Hard Drives	SWBT 1.0 Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors
Used:	Drive 81, label F5 is an IBM-DTLA-307020 with 40188960 sectors
usea:	Drive 82, label F6 is an IBM-DTLA-307020 with 40188960 sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
Executed.	hd18 S12
	test-hdl SWB-34 McCloud JRL r 8A F5 F6
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:25:58) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	7 N. C.
	Licensee: US Dept. Commerce / NIST S/W Testing
	3 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Locked!
	Write Lock successfully installed.
	***** Test Harness Log *****
	CMD: A:\TEST-HDL.EXE SWB-34 McCloud JRL r 8A F5 F6
	Case: SWB-34
	Command set: Read
	Date: Sun Aug 31 09:26:05 2003
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
	Compiled on Aug 31 2003 at 08:10:54
	Operator: JRL
	Host: McCloud
	Number of drives 3, Drives: 8A F5 F6
	Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-34 <02> 80 Allowed 0000 Off 1 ReadSectors
	1 SWB-34 <02> 80 Allowed 0000 Off 1 ReadLong
	2 SWB-34 <42> 80 Allowed 0000 Off 1 ExtRead
	2 SHD ST 1727 OF MILLOWCO COOP OIL I EACHERD

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Case SWD 34 HDD	Int_13 Hard	d Disk Write Lock V0.8 021126 @	RCMP 1993-2002
	0 SWB-34 < 1 SWB-34 < 2 SWB-34 < Results for 0 SWB-34 < 1 SWB-34 < 2 SWB-34 < Results for	SWB-34 category r on drive 80 (02> 81 Allowed 0000 Off 1 (0A> 81 Allowed 0000 Off 1 (42> 81 Allowed 0000 Off 1 (42> 81 Allowed 0000 Off 1 (42> 82 Allowed 0000 Off 1 (42> 83 Allowed 0000 Off 1 (43> 84 Allowed 0000 Off 1 (44> 84 Allowed 0000 Off 1 (44> 85 Allowed 00	ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead
Results:			
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	3 drives identified	3 drives identified
	AM-08 AM-09	3 drives identified Drive 80 is unprotected	3 drives identified Drive 80 is unprotected
	AM-09	Drive 80 is unprotected	Drive 80 is unprotected
	AM-09 AM-09	Drive 80 is unprotected Drive 81 is protected	Drive 80 is unprotected Drive 81 is protected
	AM-09 AM-09 AM-09	Drive 80 is unprotected Drive 81 is protected Drive 82 is protected	Drive 80 is unprotected Drive 81 is protected Drive 82 is protected
	AM-09 AM-09 AM-09 AM-10	Drive 80 is unprotected Drive 81 is protected Drive 82 is protected 0 Commands return success	Drive 80 is unprotected Drive 81 is protected Drive 82 is protected 0 Commands return success
	AM-09 AM-09 AM-09 AM-10 AO-04	Drive 80 is unprotected Drive 81 is protected Drive 82 is protected 0 Commands return success No cmds to drive 81 blocked	Drive 80 is unprotected Drive 81 is protected Drive 82 is protected 0 Commands return success No cmds to drive 81 blocked

Case SWB-35 HDL -	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002
Case Summary:	SWB-35 Install three drives, configure return code to failure, protect
	with pattern PUP, execute read commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a covered interface.
	SWB-AM-11. If the tool is configured to return fail on blocked commands
	and the tool blocks a command then the return code shall indicate unsuccessful command execution.
	SWB-AO-04. If a subset of all covered drives is specified for
	protection, then commands from the read category shall not be
	blocked for drives in the selected subset.
	SWB-AO-07. If a subset of all covered drives is specified for
	protection, then no commands from any category shall be blocked for
	drives not in the selected subset.
Tester Name:	JRL
Test Date:	Sun Aug 31 08:28:38 2003
Test PC:	Rumpole
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label 6F is a Maxtor 6Y060L0 with 120103200 sectors
Used:	Drive 81, label 2B is a Quantum QM39100TD-SCA Drive with 17783249
	sectors
	Drive 82, label 1F is a Quantum ATLAS10K3 18 SCA Drive with 35916548
	sectors
Commands	Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]
Executed:	tally13
	hd18 02
	test-hdl SWB-35 Rumpole JRL r 6F 2B 1F
	Shutdown Test PC
Log File	**** Monitor Execution ****
Highlights:	Monitor BIOS interrupt 13h (disk service)
	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 08:28:35) Going TSR
	***** Install HDL Log *****
	HDL Int_13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept Commerce / NIST S/W Testing
	Licensee: US Dept. Commerce / NIST S/W Testing 3 Hard-Disks reported by Int 13h
	2 mara-bisks tehoticed by int_ion

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Case SWB-35 HDL -	- Int_13 Hard	Disk Write Lock VO.8 021126 @	RCMP 1993-2002
		Disk 0 Locked!	
		Disk 1 Not Locked!	
		Disk 2 Locked!	
		Lock successfully installed.	
		arness Log *****	
		-HDL.EXE SWB-35 Rumpole JRL r	6F 2B 1F
	Case: SWB-35		
	Command set:		
	Date: Sun Au	g 31 08:28:38 2003	
	@(#) Comps Comps Operator: JR Host: Rumpol Number of dr Case C 0 SWB-35 < 1 SWB-35 < 2 SWB-35 < Results for 0 SWB-35 < 2 SWB-35 < Results for 0 SWB-35 < 2 SWB-35 < Results for 0 SWB-35 < Comps Results for	rives 3, Drives: 6F 2B 1F and Drv Action Stat Cry Count 02> 80 Allowed 0000 Off 1 0A> 80 Allowed 0000 Off 1 42> 80 Allowed 0000 Off 1 SWB-35 category r on drive 80 02> 81 Allowed 0000 Off 1	O8/31/03 at 08:18:19 4 Cmd Name ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead No commands blocked (0 of 3) ReadSectors ReadLong ExtRead
Results:			
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	3 drives identified	3 drives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09	Drive 81 is unprotected	Drive 81 is unprotected
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-11	0 Commands return fail	0 Commands return fail
	AO-04	No cmds to drive 80 blocked	No cmds to drive 80 blocked
	AO-04	No cmds to drive 82 blocked	No cmds to drive 82 blocked
	AO-07	No cmds to drive 81 blocked	No cmds to drive 81 blocked
	25.7		
Analysis:	SWB-35 Expec	ted results achieved	

Case SWB-36 HDL	Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002		
Case Summary:	SWB-36 Install three drives, configure return code to success, protect		
	with pattern PPU, execute read commands.		
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message		
Tested:	indicating that the tool is active.		
	SWB-AM-08. If the tool is executed then the tool shall issue a message		
	indicating all drives accessible by the covered interfaces.		
	SWB-AM-09. If the tool is executed then the tool shall issue a message		
	indicating the protection status of each drive attached to a covered interface.		
	SWB-AM-10. If the tool is configured to return success on blocked		
	commands and the tool blocks a command then the return code shall		
	indicate successful command execution.		
	SWB-AO-04. If a subset of all covered drives is specified for		
	protection, then commands from the read category shall not be		
	blocked for drives in the selected subset.		
	SWB-AO-07. If a subset of all covered drives is specified for		
	protection, then no commands from any category shall be blocked for		
	drives not in the selected subset.		
Tester Name:	JRL		
Test Date:	Sun Aug 31 09:18:20 2003		
Test PC:	Wimsey		
Test Software:	SWBT 1.0		
Hard Drives	Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors		
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors		

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Drive 82, label E3 is a QUANTUM ATLASIDEZ-TYOSZJ with 17938985 sectors	Case SWB-36 HDL -	Int_13 Hard	Disk Write Lock VO.8 021126 @	RCMP 1993-2002	
Executed:		Drive 82, la	bel E3 is a QUANTUM ATLAS10K2-	TY092J with 17938985 sectors	
half	Commands	Boot Test PC	to (DOS 7.1) Windows 98 [Vers	sion 4.10.2222]	
Legsthal SWB-36 Winsey JRL r 90 64 E3	Executed:	tally13			
Shutdown Test PC		hd18 S01			
		test-hdl SWB	-36 Wimsey JRL r 90 64 E3		
		Shutdown Tes	t PC		
### Highlights: Monitor BIOS interrupt 13h (disk service)	Log File				
### Tably 13 compiled on 07/29/03 at 07:33:17 ### 8(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:18:18) Going TSR ***** Install HDL Log **** HDL Int 13 Hard Disk Write Lock VO.8 02:126 (c)RCMP 1993-2002 ROYal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 3 Hard-Disks Tepotred by Int_13h Hard-Disk 1 Locked! Hard-Disk 1 Locked! Hard-Disk 2 Not Locked! Write Lock successfully installed. ***** Test Harness Log ***** CMD: A:VTEST-HDL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: 8(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 ### 8(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator; JRL Host: Wimsey Number of drives 3, Drives: 90 64 E3 Case Cad Drv Action Stat Cry Count Cmd Name 0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 80 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadCong 1 SWB-36 <42> 80 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadCong 1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadCong 3 SWB-36 <42> 82 Allowed 0000 Off 1 ReadCong 4 Results for SWB-36 category ron drive 81 No commands blocked (0 of 3) SWB-36 <42> 82 Allowed 0000 Off 1 ReadCong 2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadCong 3 SWB-36 <42> 82 Allowed 0000 Off 1 ReadCong 4 Results for SWB-36 category ron drive 81 No commands blocked (0 of 3) SWB-36 <42> 82 Allowed 0000 Off 1 ReadCong 4 Results for SWB-36 category ron drive 82 No comma		Monitor BIOS	interrupt 13h (disk service)		
(#) Version 1.1 Created 07/29/03 at 07:28:05 Now (08/31/03 at 09:18:18) Going TSR	9 9 1				
Now (08/31/03 at 09:18:18) Going TSR ***** Install HDL Log ***** HDL Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 3 Mard-Disks reported by Int 13h Hard-Disk 1 Locked! Hard-Disk 1 Locked! Hard-Disk 2 Not Locked! Write Lock successfully installed. ****** Test Harness Log ******* CMD: A:\TEST-HDL.RXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator; JRL Host: Wimsey Number of drives 3, Drives: 90 64 E3 Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-36 <02-80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02-80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02-80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02-80 Allowed 0000 Off 1 ReadSectors 0 SWB-36 <02-80 Allowed 0000 Off 1 ReadSectors 1 SWB-36		_	=	3:05	
### HDL Int 13 Hard Disk Write Lock VO.8 021126 (c)RCMP 1993-2002 Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION FROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 3 Hard-Disks reported by Int_13h Hard-Disk 1 Locked! Hard-Disk 1 Locked! Hard-Disk 2 Not Locked! Write Lock successfully installed. ***** Test Harness Log ****** CMD: A:\YEST-HDL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Wimsey Number of drives 3, Drives: 90 64 E3 Case CmD rv Action Stat Cry Count Cmd Name 0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 80 Allowed 0000 Off 1 ReadGong 2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadGong 2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadLong 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 4 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 5 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 5 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 5 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 6 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 7 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 8 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 9 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 1 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 1 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 82 Allowed 0000 Off 1 ReadL					
Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 3 Hard-Disks reported by Int_13h Hard-Disk 1 Locked! Hard-Disk 2 Not Locked! Write Lock successfully installed. ***** Test Harness Log ***** CMD: A:VTSST-HDL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: 9(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 % (#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Wimsey Number of drives 3, Drives: 90 64 E3 Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 80 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadLong 1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 4 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 5 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 7 SWB-36 <02> 82 Allowed 0000 Off 1 ReadLong 8 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 9 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 9 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 9 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 9 SWB-36 stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 off stategory rod drive 81					
Royal Canadian Mounted Police UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 3 Hard-Disks reported by Int_13h Hard-Disk 1 Locked! Hard-Disk 2 Not Locked! Write Lock successfully installed. ***** Test Harness Log ***** CMD: A:VTSST-HDL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: 9(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 % (#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Wimsey Number of drives 3, Drives: 90 64 E3 Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 80 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadLong 1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 3 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 4 SWB-36 <42> 81 Allowed 0000 Off 1 ReadLong 5 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong 7 SWB-36 <02> 82 Allowed 0000 Off 1 ReadLong 8 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 9 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 9 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 9 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong 9 SWB-36 stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 of 3) 0 SWB-36 off stategory ro drive 81 No commands blocked (0 off stategory rod drive 81					
UNAUTHORIZED USE / DISTRIBUTION PROHIBITED Licensee: US Dept. Commerce / NIST S/W Testing 3 Hard-Disk 0 Locked! Hard-Disk 1 Locked! Hard-Disk 1 Locked! Write Lock successfully installed. ****** Test Harness Log ******* CMD: A:\TSST-HDL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: 8(#) bt-defs.h Version 1.2 Created 08/23/03 at 10:13:51		_			
### A # ### A # ### A ##					
### Hard-Disk 0 Locked! ### Hard-Disk 1 Locked! ### Write Lock successfully installed. ******* Test Harness Log ***** CMD: A:\TEST-HDL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: @(#) best-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51		Licen	see: US Dept. Commerce / NIST	S/W Testing	
### Hard-Disk 1 Locked! ### Hard-Disk 2 Not Locked! ### Write Lock successfully installed. ***** Test Harness Log ***** CMD: A:\TEST-HBL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51		3 На	rd-Disks reported by Int 13h		
### Hard-Disk 2 Not Locked! Write Lock successfully installed. ***** Test Harness Log ***** CMD: A:\TEST-#DL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: @(#) wb-defs.h Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Wimsey Number of drives 3, Drives: 90 64 E3 Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 80 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 80 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 81 Allowed 0000 off 1 ReadGectors 1 SWB-36 <02> 82 Allowed 0000 off 1 ReadGong 2 SWB-36 <02> 82 Allowed 0000 off 1 ReadGong 2 SWB-36 <02> 82 Allowed 0000 off 1 ReadGong 2 SWB-36 <02> 82 Allowed 0000 off 1 ReadGong 2 SWB-36 <02> 82 Allowed 0000 off 1 ReadGong 3 Summary: 9 sent, 0 blocked, 9 not blocked AM-09 Drive 80 is protected Drive 80 is protected AM-09 Drive 81 is protected Drive 80 is protected AM-09 Drive 81 is protected Drive 82 is unprotected AM-09 Drive 82 is unprotected Drive 82 is unprotected AM-00 Ocommands return success AO-04 No cmds to drive 80 blocked No cmds to drive 80 blocked AO-04 No cmds to drive 80 blocked No cmds to drive 80 blocked AO-07 No cmds to drive 82 blocked No cmds to drive 80 blocked		Hard-	Disk 0 Locked!		
#**** Test Harness Log ***** CMD: A: TEST-HDL. EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: 0(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51		Hard-	Disk 1 Locked!		
#**** Test Harness Log ***** CMD: A:\TEST-HDL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: @(#) best-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Wimsey Number of drives 3, Drives: 90 64 E3 Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 80 Allowed 0000 Off 1 ReadSectors 2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <0A> 82 Allowed 0000 Off 1 ReadSectors 2 SWB-36 <4A> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <a 0000="" 1="" 2="" 2a="" 82="" <4a="" <a="" allowed="" off="" readsectors="" swb-36=""> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 SA SWB-36 Category r on drive 82 No commands blocked (0 of 3) Summary: 9 sent, 0 blocked, 9 not blocked Results for SWB-36 category Environment of the SWB-36 Categ		Hard-	Disk 2 Not Locked!		
CMD: A:\TEST-HDL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: @(#) wb-defs.h Version 1.1 Created 08/23/03 at 10:13:51					
CMD: A:\TEST-HDL.EXE SWB-36 Wimsey JRL r 90 64 E3 Case: SWB-36 Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: @(#) wb-defs.h Version 1.1 Created 08/23/03 at 10:13:51		**** Test H	arness Log ****		
Command set: Read Date: Sun Aug 31 09:18:20 2003 Version: @(#) bcst-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: JRL Host: Wimsey Number of drives 3, Drives: 90 64 E3 Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <42> 80 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <42> 80 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <42> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <04> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <04> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadLong 2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors 1 SWB				00 64 E3	
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Results for SWB-36 category r on drive 82 No commands blocked (0 of 3) Summary: 9 sent, 0 blocked, 9 not blocked Results: Assertion Expected Results Actual Results AM-07 Tool active message Tool active message AM-08 3 drives identified 3 drives identified AM-09 Drive 80 is protected Drive 80 is protected AM-09 Drive 81 is protected Drive 81 is protected AM-09 Drive 82 is unprotected Drive 82 is unprotected AM-10 0 Commands return success 0 Commands return success AO-04 No cmds to drive 80 blocked No cmds to drive 80 blocked AO-07 No cmds to drive 82 blocked No cmds to drive 81 blocked					
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<u> </u>	Analysis:	SWB-36 Expec	ted results achieved		

Case SWB-37 HDL -	- Int_13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002		
Case Summary:	SWB-37 Install all drives, configure to be active at boot and shutdown,		
	configure return code to failure, protect with pattern odd, execute		
	write commands.		
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message		
Tested:	indicating that the tool is active.		
	SWB-AM-08. If the tool is executed then the tool shall issue a message		

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indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a m indicating the protection status of each drive attached to a covered interface. SWB-AM-11. If the tool is configured to return fail on blocked or and the tool blocks a command then the return code shall inconsuccessful command execution. SWB-AO-08. If the tool is active during the operating system boomshutdown processes then no changes are made to any protected drives. Tester Name: Test Date: Sun Aug 31 09:59:58 2003 Test PC: Wimsey Test Software: Buff 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAAO with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSFO with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Boot Host (HDL in AUTOEXEC.BAT) Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File ***** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service)	commands dicate t and d
SWB-AM-09. If the tool is executed then the tool shall issue a mindicating the protection status of each drive attached to a covered interface. SWB-AM-11. If the tool is configured to return fail on blocked condition and the tool blocks a command then the return code shall incompanied to shall incompanied to return fail on blocked condition. SWB-AO-08. If the tool is active during the operating system book shutdown processes then no changes are made to any protected drives. Tester Name: JRL Test Date: Sun Aug 31 09:59:58 2003 Test PC: Wimsey Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAAO with 58633344 sectors Drive 81, label 8A is a WDC WD300BB-00CSFO with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File ****** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service)	commands dicate t and d
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SWB-AO-08. If the tool is active during the operating system boomshutdown processes then no changes are made to any protected drives. Tester Name: JRL Test Date: Sun Aug 31 09:59:58 2003 Test PC: Wimsey Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAAO with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSFO with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor Execution ***** Monitor BIOS interrupt 13h (disk service)	d
shutdown processes then no changes are made to any protected drives. Tester Name: JRL Test Date: Sun Aug 31 09:59:58 2003 Test PC: Wimsey Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAAO with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSFO with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File ***** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service)	d
shutdown processes then no changes are made to any protected drives. Tester Name: JRL Test Date: Sun Aug 31 09:59:58 2003 Test PC: Wimsey Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAAO with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSFO with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File ***** Monitor Execution ***** Monitor BIOS interrupt 13h (disk service)	d
Tester Name: Test Date: Sun Aug 31 09:59:58 2003 Test PC: Wimsey Test Software: Burive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File ***** Monitor Execution ***** Highlights: Monitor BIOS interrupt 13h (disk service)	ectors
Test Date: Sun Aug 31 09:59:58 2003 Test PC: Wimsey Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor Execution ***** Monitor BIOS interrupt 13h (disk service)	ectors
Test Date: Sun Aug 31 09:59:58 2003 Test PC: Wimsey Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor Execution ***** Monitor BIOS interrupt 13h (disk service)	ectors
Test PC: Wimsey Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	ectors
Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	ectors
Hard Drives Used: Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	ectors
Used: Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hdl8 13 test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	ectors
Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 s Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hd18 13 test-hd1 SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	ectors
Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 1778324 sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hdl8 13 test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	
Sectors Commands Executed: Windows 98 [Version 4.10.2222] tally13 hdl8 13 test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	
Commands Executed: Windows 98 [Version 4.10.2222] tally13 hdl8 13 test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	
Executed: Windows 98 [Version 4.10.2222] tally13 hdl8 13 test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	
Windows 98 [Version 4.10.2222] tally13 hdl8 13 test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	
tally13 hdl8 13 test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File	
hdl8 13 test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File Highlights: Monitor BIOS interrupt 13h (disk service)	
test-hdl SWB-37 Wimsey JRL w 90 8A E4 2B Shutdown Host Log File	
Shutdown Host Log File	
Log File	
Highlights: Monitor BIOS interrupt 13h (disk service)	
tally13 compiled on 07/29/03 at 07:33:17	
@(#) Version 1.1 Created 07/29/03 at 07:28:05	
Now (08/31/03 at 09:56:55) Going TSR	
***** Install HDL Log *****	
HDL Int_13 Hard Disk Write Lock V0.8 021126 (c)RCMP 1993-2002	
Royal Canadian Mounted Police	
UNAUTHORIZED USE / DISTRIBUTION PROHIBITED	
Licensee: US Dept. Commerce / NIST S/W Testing	
4 Hard-Disks reported by Int_13h	
Hard-Disk 0 Not Locked!	
Hard-Disk 1 Locked!	
Hard-Disk 2 Not Locked!	
Hard-Disk 3 Locked!	
Write Lock successfully installed.	
***** Test Harness Log *****	
CMD: A:\TEST-HDL.EXE SWB-37 Wimsey JRL w 90 8A E4 2B	
Case: SWB-37	
Command set: Write	
Date: Sun Aug 31 09:59:58 2003	
Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13	:51
@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19	
Compiled on Aug 31 2003 at 08:10:54	
Operator: JRL	
Host: Wimsey	
Number of drives 4, Drives: 90 8A E4 2B	
Case Cmd Drv Action Stat Cry Count Cmd Name	
0 SWB-37 <03> 80 Allowed 0000 Off 1 WriteSectors	
1 SWB-37 <08> 80 Allowed 0000 Off 1 WriteLong	
2 SWB-37 <43> 80 Allowed 0000 Off 1 ExtWrite	
Results for SWB-37 category w on drive 80 No commands blocked (0	of 31
0 SWB-37 <03> 81 Blocked 0300 On 0 WriteSectors	O± 3)
2 SWB-37 <43> 81 Blocked 0300 On 0 ExtWrite	2 of 21
Results for SWB-37 category w on drive 81 All commands blocked (3 OI 3)
0 SWB-37 <03> 82 Allowed 0000 Off 1 WriteSectors	
1 SWB-37 <0B> 82 Allowed 0000 Off 1 WriteLong	
2 SWB-37 <43> 82 Allowed 0000 Off 1 ExtWrite	
Results for SWB-37 category w on drive 82 No commands blocked (0	of 3)
0 SWB-37 <03> 83 Blocked 0300 On 0 WriteSectors	
1 SWB-37 <0B> 83 Blocked 0300 On	
2 SWB-37 <43> 83 Blocked 0300 On 0 ExtWrite	_
Results for SWB-37 category w on drive 83 All commands blocked (3 of 3)
Summary: 12 sent, 6 blocked, 6 not blocked	

esults:		1	
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	4 drives identified	4 drives identified
	AM-09	Drive 80 is unprotected	Drive 80 is unprotected
	AM-09	Drive 81 is protected	Drive 81 is protected
	AM-09	Drive 82 is unprotected	Drive 82 is unprotected
	AM-09	Drive 83 is protected	Drive 83 is protected
	AM-11	6 Commands return fail	6 Commands return fail
	AO-08	All cmds to drive 81	All cmds to drive 81
		blocked	blocked
	AO-08	All cmds to drive 83	All cmds to drive 83
		blocked	blocked
	AO-08	No cmds to drive 80 blocked	No cmds to drive 80 blocked
	AO-08	No cmds to drive 82 blocked	No cmds to drive 82 blocked

Case SWB-38 HDL Int 13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002 Case Summary: SWB-38 Install all drives, configure to be active at boot and shu configure return code to success, protect with pattern even, exec write commands. Assertions Tested: SWB-AM-07. If the tool is executed then the tool shall issue a me indicating that the tool is active. SWB-AM-08. If the tool is executed then the tool shall issue a me indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a me indicating the protection status of each drive attached to a covered interface. SWB-AM-10. If the tool is configured to return success on blocked commands and the tool blocks a command then the return code sindicate successful command execution. SWB-AO-08. If the tool is active during the operating system boot shutdown processes then no changes are made to any protected drives. Tester Name: JRL Test Date: Sum Aug 31 09:22:47 2003 Test PC: McMillan Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors Boot Host (HDL in AUTOEXEC.BAT)	ssage ssage ssage
configure return code to success, protect with pattern even, executivite commands. Assertions Tested: SWB-AM-07. If the tool is executed then the tool shall issue a me indicating that the tool is active. SWB-AM-08. If the tool is executed then the tool shall issue a me indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a me indicating the protection status of each drive attached to a covered interface. SWB-AM-10. If the tool is configured to return success on blocked commands and the tool blocks a command then the return code s indicate successful command execution. SWB-AO-08. If the tool is active during the operating system boot shutdown processes then no changes are made to any protected drives. Tester Name: JRL Test Date: Sun Aug 31 09:22:47 2003 Test PC: McMillan Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors Drive 81, label 6F is a Maxtor 67060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K3_18_SCA Drive with 35916 sectors	ssage ssage ssage
Assertions Tested: SWB-AM-07. If the tool is executed then the tool shall issue a me indicating that the tool is active. SWB-AM-08. If the tool is executed then the tool shall issue a me indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a me indicating the protection status of each drive attached to a covered interface. SWB-AM-10. If the tool is configured to return success on blocked commands and the tool blocks a command then the return code s indicate successful command execution. SWB-AO-08. If the tool is active during the operating system boot shutdown processes then no changes are made to any protected drives. Tester Name: JRL Test Date: Sun Aug 31 09:22:47 2003 Test PC: McMillan Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors Drive 81, label 67 is a Maxtor 67060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	ssage ssage shall
indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a me indicating the protection status of each drive attached to a covered interface. SWB-AM-10. If the tool is configured to return success on blocked commands and the tool blocks a command then the return code s indicate successful command execution. SWB-AO-08. If the tool is active during the operating system boot shutdown processes then no changes are made to any protected drives. Tester Name: JRL Test Date: Sun Aug 31 09:22:47 2003 Test PC: McMillan Test Software: SWBT 1.0 Hard Drives Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	ssage shall
indicate successful command execution. SWB-AO-08. If the tool is active during the operating system boot shutdown processes then no changes are made to any protected drives. Tester Name: JRL Test Date: Sun Aug 31 09:22:47 2003 Test PC: McMillan Test Software: SWBT 1.0 Hard Drives Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	
Test Date: Sun Aug 31 09:22:47 2003 Test PC: McMillan Test Software: SWBT 1.0 Hard Drives Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors Used: Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	
Test PC: McMillan Test Software: SWBT 1.0 Hard Drives Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors Used: Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	
Test Software: SWBT 1.0 Hard Drives Used: Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	
Hard Drives Used: Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	
Used: Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	
Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	
Drive 82, label 64 is a WDC WD64AA with 12594960 sectors Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	
Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 se Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	
Drive 84, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916 sectors	ctors
sectors	
Executed:	
Windows 98 [Version 4.10.2222] tally13	
hdl8 S024	
test-hdl SWB-38 McMillan JRL w F6 6F 64 E3 1F Shutdown Host	
Log File **** Monitor Execution ****	
Highlights: Monitor BIOS interrupt 13h (disk service)	
tally13 compiled on 07/29/03 at 07:33:17	
@(#) Version 1.1 Created 07/29/03 at 07:28:05	
Now (08/31/03 at 09:20:25) Going TSR	
***** Install HDL Log *****	
HDL Int 13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002	
Royal Canadian Mounted Police	
UNAUTHORIZED USE / DISTRIBUTION PROHIBITED	
Licensee: US Dept. Commerce / NIST S/W Testing	
5 Hard-Disks reported by Int 13h	
Hard-Disk 0 Locked!	
Hard-Disk 1 Not Locked!	
Hard-Disk 2 Locked!	
Hard-Disk 3 Not Locked!	
Hard-Disk 4 Locked!	

Case SWB-38 HDL -	Int_13 Hard	d Disk Write Lock VO.8 021126 ©	RCMP 1993-2002
		e Lock successfully installed.	
		Harness Log *****	
		[-HDL.EXE SWB-38 McMillan JRL w	7 F6 6F 64 E3 1F
	Case: SWB-38		
	Command set:		
	Date: Sun Au	ıg 31 09:22:47 2003	
	Version: @(#)	t) test-hdl.cpp Version 1.1 Cre wb-defs.h Version 1.2 Created iled on Aug 31 2003 at 08:10:50 RL lan crives 5, Drives: F6 6F 64 E3 1F Cmd Drv Action Stat Cry Count (03> 80 Blocked 0000 Off 0 (08> 80 Blocked 0000 Off 0 (08> 80 Blocked 0000 Off 0 (08> 80 Blocked 0000 Off 1 (08> 81 Allowed 0000 Off 1 (08> 82 Blocked 0000 Off 0 (08> 83 Allowed 0000 Off 0	O8/31/03 at 08:18:19 4 Cmd Name WriteSectors WriteLong ExtWrite All commands blocked (3 of 3) WriteSectors WriteLong ExtWrite No commands blocked (0 of 3) WriteSectors WriteLong ExtWrite No commands blocked (0 of 3) WriteSectors WriteLong ExtWrite All commands blocked (3 of 3) WriteSectors
	1 SWB-38 <	<pre><0B> 83 Allowed 0000 Off</pre>	WriteLong
		SWB-38 category w on drive 83	
	0 SWB-38 <	<pre><03> 84 Blocked 0000 Off 0</pre>	WriteSectors
	1 SWB-38 <	<pre><0B> 84 Blocked 0000 Off 0 <43> 84 Blocked 0000 Off 0</pre>	WriteLong
		SWB-38 category w on drive 84	
		sent, 9 blocked, 6 not blocked	
	Summary: 15	sent, 9 blocked, 6 not blocked	L
Results:			
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	5 drives identified	5 drives identified
	AM-09	Drive 80 is protected	Drive 80 is protected
	AM-09	Drive 81 is unprotected	Drive 81 is unprotected
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-09	Drive 83 is unprotected	Drive 83 is unprotected
	AM-09	Drive 84 is protected	Drive 84 is protected
	AM-10	9 Commands return success	9 Commands return success
	AO-08	All cmds to drive 80	All cmds to drive 80
		blocked	blocked
	AO-08	All cmds to drive 82	All cmds to drive 82
	1 20.00	blocked	blocked
	AO-08	All cmds to drive 84 blocked	All cmds to drive 84 blocked
	AO-08	No cmds to drive 81 blocked	No cmds to drive 81 blocked
	AO-08	No cmds to drive 83 blocked	No cmds to drive 83 blocked
Analysis:	SWB-38 Exped	cted results achieved	

Case SWB-39 HDL Int_13 Hard Disk Write Lock VO.8 021126 © RCMP 1993-2002		
Case Summary:	SWB-39 Install all drives, configure return code to failure, protect with pattern high, execute write commands, uninstall, execute all commands.	
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message	
Tested:	<pre>indicating that the tool is active. SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces. SWB-AM-09. If the tool is executed then the tool shall issue a message indicating the protection status of each drive attached to a covered interface. SWB-AM-11. If the tool is configured to return fail on blocked commands and the tool blocks a command then the return code shall indicate</pre>	

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Case SWB-39 HDL -	Int 13 Hard Disk Write Lock V0.8 021126 © RCMP 1993-2002	
	unsuccessful command execution.	
	SWB-A0-09. If the tool is active and the tool is then uninstalled then	
	no commands to any drive shall be blocked.	
Tester Name:	JRL	
Test Date:	Tue Sep 02 08:15:21 2003	
Test PC:	Cadfael	
Test Software:	SWBT 1.0	
Hard Drives	Drive 80, label F5 is an IBM-DTLA-307020 with 40188960 sectors	
Used:	Drive 81, label 64 is a WDC WD64AA with 12594960 sectors	
	Drive 82, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors	
	Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors	
Commands	Boot Test PC	
Executed:	BOOK TEST FO	
Excedeca.	Windows 98 [Version 4.10.2222]	
	tally13	
	hdl8 23	
	test-hdl SWB-39 Cadfael JRL w F5 64 E3 2B	
	t-off SWB-39 Cadfael JRL	
	hdl8 R	
	test-hdl SWB-39 Cadfael JRL a F5 64 E3 2B	
	Shutdown Test PC	
Log File	***** Monitor Execution *****	
Highlights:	Monitor BIOS interrupt 13h (disk service)	
	tally13 compiled on 07/29/03 at 07:33:17 @(#) Version 1.1 Created 07/29/03 at 07:28:05	
	Now (09/02/03 at 08:15:00) Going TSR	
	***** Install HDL Log *****	
	HDL Int 13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002	
	Royal Canadian Mounted Police	
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED	
	Licensee: US Dept. Commerce / NIST S/W Testing	
	4 Hard-Disks reported by Int_13h	
	Hard-Disk 0 Not Locked!	
	Hard-Disk 1 Not Locked!	
	Hard-Disk 2 Locked! Hard-Disk 3 Locked!	
	Write Lock successfully installed.	
	***** Blocked Write Commands *****	
	CMD: a:\TEST-HDL.EXE SWB-39 Cadfael JRL w F5 64 E3 2B	
	Case: SWB-39	
	Command set: Write	
	Date: Tue Sep 02 08:15:07 2003	
	Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51	
	@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19	
	Compiled on Aug 31 2003 at 08:10:54	
	Operator: JRL Host: Cadfael	
	Number of drives 4, Drives: F5 64 E3 2B	
	Case Cmd Drv Action Stat Cry Count Cmd Name	
	0 SWB-39 <03> 80 Allowed 0000 Off 1 WriteSectors	
	1 SWB-39 <0B> 80 Allowed 0000 Off	
	Results for SWB-39 category w on drive 80 No commands blocked (0 of 3)	
	0 SWB-39 <03> 81 Allowed 0000 Off 1 WriteSectors	
	1 SWB-39 <0B> 81 Allowed 0000 Off	
	Results for SWB-39 category w on drive 81 No commands blocked (0 of 3)	
	0 SWB-39 <03> 82 Blocked 0300 On 0 WriteSectors	
	1 SWB-39 <0B> 82 Blocked 0300 On	
	Results for SWB-39 category w on drive 82 All commands blocked (3 of 3)	
	0 SWB-39 <03> 83 Blocked 0300 On 0 WriteSectors	
	1 SWB-39 <0B> 83 Blocked 0300 On	
	Results for SWB-39 category w on drive 83 All commands blocked (3 of 3)	
	Summary: 12 sent, 6 blocked, 6 not blocked	
	Number of Commands not blocked (should total to 6)	
	Drive Count	
L	1	

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```
Case SWB-39 HDL -- Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
                    8.0
                    81
                    82
                              0
                    8.3
                   ***** Uninstall HDL Log *****
                  HDL -- Int_13 Hard Disk Write Lock V0.8 021126 (c) RCMP 1993-2002
                              Royal Canadian Mounted Police
                          UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
                          Licensee: US Dept. Commerce / NIST S/W Testing
                          4 Hard-Disks reported by Int 13h
                         Write Lock removed.
                   ***** Test Harness Log ****
                   CMD: a:\TEST-HDL.EXE SWB-39 Cadfael JRL a F5 64 E3 2B
                   Case: SWB-39
                   Command set: All
                  Date: Tue Sep 02 08:15:21 2003
                  Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
                          @(\#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
                          Compiled on Aug 31 2003 at 08:10:54
                  Operator: JRI
                  Host: Cadfael
                   Number of drives 4, Drives: F5 64 E3 2B
                  Warning: non-zero tally (3) for drive 80 (reboot to clear)
                  Warning: non-zero tally (3) for drive 81 (reboot to clear)
                       Case Cmd Drv Action Stat Cry Count Cmd Name
                    0 SWB-39 <00> 80 Allowed 0000 Off 1 Reset
1 SWB-39 <0C> 80 Allowed 0000 Off 1 SeekDrive
                    1 SWB-39 <OC> 80 Allowed 0000 Off
                    2 SWB-39 <0D> 80 Allowed 0000 Off
                                                          1 AltReset
                                                          1 Recalibrate
1 ExtendedSeek
                    3 SWB-39 <11> 80 Allowed 0000 Off
                    4 SWB-39 <47> 80 Allowed 0000 Off
                  Results for SWB-39 category c on drive 80 No commands blocked (0 of 5)
                    0 SWB-39 <00> 81 Allowed 0000 Off 1 Reset
                                                        1 SeekDrive
1 AltReset
                    1 SWB-39 <0C> 81 Allowed 0000 Off
                    2 SWB-39 <0D> 81 Allowed 0000 Off
                    4 SWB-39 <47> 81 Allowed 0000 Off
                                                            1 ExtendedSeek
                  Results for SWB-39 category c on drive 81 No commands blocked (0 of 5)
                    0 SWB-39 <00> 82 Allowed 0000 Off 1 Reset
                    1 SWB-39 <0C> 82 Allowed 0000 Off
                                                           1 SeekDrive
                                                        1 AltReset
1 Recalibrate
1 ExtendedSeek
                    2 SWB-39 <0D> 82 Allowed 0000 Off
                    3 SWB-39 <11> 82 Allowed 0000 Off
                    4 SWB-39 <47> 82 Allowed 0000 Off
                  Results for SWB-39 category c on drive 82 No commands blocked (0 of 5)
                    0 SWB-39 <00> 83 Allowed 0000 Off 1 Reset
1 SWB-39 <0C> 83 Allowed 0000 Off 1 SeekDrive
                    2 SWB-39 <OD> 83 Allowed 0000 Off
                                                           1 AltReset
                                                          1 Recalibrate
1 ExtendedSeek
                    3 SWB-39 <11> 83 Allowed 0000 Off
                    4 SWB-39 <47> 83 Allowed 0000 Off
                   Results for SWB-39 category c on drive 83 No commands blocked (0 of 5)
                  Summary: 20 sent, 0 blocked, 20 not blocked
                    0 SWB-39 <01> 80 Allowed 0000 Off
                                                           1 GetLastStatus
                    1 SWB-39 <04> 80 Allowed 0000 Off
                                                           1 VerifySectors
                                                            1 ReadDriveParms
1 TestDriveReady
                    2 SWB-39 <08> 80 Allowed 0000 Off
                    3 SWB-39 <10> 80 Allowed 0000 Off
                    4 SWB-39 <15> 80 Allowed 0000 Off
                                                           1 ReadDriveType
                                                           1 CheckForExtensions
1 VerifySectors
                    5 SWB-39 <41> 80 Allowed 0000 Off
                    6 SWB-39 <44> 80 Allowed 0000 Off
                                                           1 GetDriveParms
                    7 SWB-39 <48> 80 Allowed 0000 Off
                  Results for SWB-39 category i on drive 80 No commands blocked (0 of 8)
                    0 SWB-39 <01> 81 Allowed 0000 Off 1 GetLastStatus 1 SWB-39 <04> 81 Allowed 0000 Off 1 VerifySectors
                    2 SWB-39 <08> 81 Allowed 0000 Off
                                                           1 ReadDriveParms
                                                           1 TestDriveReady
1 ReadDriveType
1 CheckForExtensions
                    3 SWB-39 <10> 81 Allowed 0000 Off
                    4 SWB-39 <15> 81 Allowed 0000 Off
                    5 SWB-39 <41> 81 Allowed 0000 Off
                    6 SWB-39 <44> 81 Allowed 0000 Off
                                                           1 VerifySectors
                    7 SWB-39 <48> 81 Allowed 0000 Off
                                                            1 Get.DriveParms
                  Results for SWB-39 category i on drive 81 No commands blocked (0 of 8)
                    0 SWB-39 <01> 82 Allowed 0000 Off
                                                         1 GetLastStatus
                    1 SWB-39 <04> 82 Allowed 0000 Off
                                                            1 VerifySectors
```

```
Case SWB-39 HDL -- Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
                                                         1 ReadDriveParms
                    2 SWB-39 <08> 82 Allowed 0000 Off
                    3 SWB-39 <10> 82 Allowed 0000 Off
                                                           1 TestDriveReady
                                                          1 ReadDriveType
1 CheckForExtensions
                    4 SWB-39 <15> 82 Allowed 0000 Off
                    5 SWB-39 <41> 82 Allowed 0000 Off
                    6 SWB-39 <44> 82 Allowed 0000 Off
                                                          1 VerifySectors
                    7 SWB-39 <48> 82 Allowed 0000 Off
                                                          1 GetDriveParms
                  Results for SWB-39 category i on drive 82 No commands blocked (0 of 8)
                    0 SWB-39 <01> 83 Allowed 0000 Off
                                                         1 GetLastStatus
                    1 SWB-39 <04> 83 Allowed 0000 Off
                                                          1 VerifySectors
                                                         1 ReadDriveParms
1 TestDriveReady
                    2 SWB-39 <08> 83 Allowed 0000 Off
                    3 SWB-39 <10> 83 Allowed 0000 Off
                    4 SWB-39 <15> 83 Allowed 0000 Off
                                                          1 ReadDriveType
                                                         1 CheckForExtensions
1 VerifySectors
1 GetDriveParms
                    5 SWB-39 <41> 83 Allowed 0000 Off
                    6 SWB-39 <44> 83 Allowed 0000 Off
                    7 SWB-39 <48> 83 Allowed 0000 Off
                  Results for SWB-39 category i on drive 83 No commands blocked (0 of 8)
                  Summary: 32 sent, 0 blocked, 32 not blocked
                    0 SWB-39 <02> 80 Allowed 0000 Off
                                                           1 ReadSectors
                    1 SWB-39 <0A> 80 Allowed 0000 Off
                                                          1 ReadLong
                    2 SWB-39 <42> 80 Allowed 0000 Off
                                                           1
                                                              ExtRead
                  Results for SWB-39 category r on drive 80 No commands blocked (0 of 3)
                    0 SWB-39 <02> 81 Allowed 0000 Off 1 ReadSectors
                                                          1 ReadLong
1 ExtRead
                    1 SWB-39 <0A> 81 Allowed 0000 Off
                    2 SWB-39 <42> 81 Allowed 0000 Off
                  Results for SWB-39 category r on drive 81 No commands blocked (0 of 3)
                    0 SWB-39 <02> 82 Allowed 0000 Off $\rm 1$ ReadSectors
                                                          1 ReadLong
1 ExtRead
                    1 SWB-39 <0A> 82 Allowed 0000 Off
                    2 SWB-39 <42> 82 Allowed 0000 Off
                  Results for SWB-39 category r on drive 82 No commands blocked (0 of 3)
                    0 SWB-39 <02> 83 Allowed 0000 Off 1 ReadSectors
                    1 SWB-39 <0A> 83 Allowed 0000 Off
                                                           1
                                                              ReadLong
                    2 SWB-39 <42> 83 Allowed 0000 Off
                                                          1 ExtRead
                  Results for SWB-39 category r on drive 83 No commands blocked (0 of 3)
                  Summary: 12 sent, 0 blocked, 12 not blocked
                                                           2 WriteSectors
                    0 SWB-39 <03> 80 Allowed 0000 Off
                                                           2 WriteLong
2 ExtWrite
                    1 SWB-39 <0B> 80 Allowed 0000 Off
                    2 SWB-39 <43> 80 Allowed 0000 Off
                  Results for SWB-39 category w on drive 80 No commands blocked (0 of 3)
                    0 SWB-39 <03> 81 Allowed 0000 Off 2 WriteSectors
                    1 SWB-39 <0B> 81 Allowed 0000 Off
                                                           2 WriteLong
                    2 SWB-39 <43> 81 Allowed 0000 Off
                                                           2 ExtWrite
                  Results for SWB-39 category w on drive 81 No commands blocked (0 of 3)
                    0 SWB-39 <03> 82 Allowed 0000 Off 1 WriteSectors
                    1 SWB-39 <0B> 82 Allowed 0000 Off
                                                           1
                                                              WriteLong
                    2 SWB-39 <43> 82 Allowed 0000 Off
                                                          1 ExtWrite
                  Results for SWB-39 category w on drive 82 No commands blocked (0 of 3)
                    0 SWB-39 <03> 83 Allowed 0000 Off 1 WriteSectors
1 SWB-39 <0R> 83 Allowed 0000 Off 1 WriteLong
                    1 SWB-39 <0B> 83 Allowed 0000 Off
                    2 SWB-39 <43> 83 Allowed 0000 Off
                                                           1 ExtWrite
                  Results for SWB-39 category w on drive 83 No commands blocked (0 of 3)
                  Summary: 12 sent, 0 blocked, 12 not blocked
                    0 SWB-39 <05> 80 Allowed 0000 Off
                                                           1 FormatTrack
                                                           1 FormatBadSectors
1 FormatCyl
                    1 SWB-39 <06> 80 Allowed 0000 Off
                    2 SWB-39 <07> 80 Allowed 0000 Off
                    3 SWB-39 <09> 80 Allowed 0000 Off
                                                          1 InitDriveParms
                                                           1 DiagnosticESDI
                    4 SWB-39 <0E> 80 Allowed 0000 Off
                    5 SWB-39 <OF> 80 Allowed 0000 Off
                                                              DiagnosticESDI
                    6 SWB-39 <12> 80 Allowed 0000 Off
                                                           1 DiagnosticRAM
                    7 SWB-39 <13> 80 Allowed 0000 Off
                                                           1 DiagnosticDrive
                    8 SWB-39 <14> 80 Allowed 0000 Off
                                                              DiagnosticCTL
                                                           1
                  Results for SWB-39 category x on drive 80 No commands blocked (0 of 9)
                    0 SWB-39 <05> 81 Allowed 0000 Off
                                                         1 FormatTrack
                    1 SWB-39 <06> 81 Allowed 0000 Off
                                                           1 FormatBadSectors
                    2 SWB-39 <07> 81 Allowed 0000 Off
                                                           1
                                                              FormatCvl
                                                          1 InitDriveParms
                    3 SWB-39 <09> 81 Allowed 0000 Off
                    4 SWB-39 <OE> 81 Allowed 0000 Off
                                                           1 DiagnosticESDI
                    5 SWB-39 <0F> 81 Allowed 0000 Off
                                                           1 DiagnosticESDI
                    6 SWB-39 <12> 81 Allowed 0000 Off
                                                              DiagnosticRAM
                    7 SWB-39 <13> 81 Allowed 0000 Off
                                                           1 DiagnosticDrive
                    8 SWB-39 <14> 81 Allowed 0000 Off
                                                           1 DiagnosticCTL
```

```
Case SWB-39 HDL -- Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
                  Results for SWB-39 category x on drive 81 No commands blocked (0 of 9)
                    0 SWB-39 <05> 82 Allowed 0000 Off $\rm 1\, FormatTrack
                                                          1 FormatBadSectors
1 FormatCyl
                    1 SWB-39 <06> 82 Allowed 0000 Off
                    2 SWB-39 <07> 82 Allowed 0000 Off
                    3 SWB-39 <09> 82 Allowed 0000 Off
                                                          1 InitDriveParms
                                                        1 DiagnosticESDI1 DiagnosticESDI1 DiagnosticRAM
                    4 SWB-39 <OE> 82 Allowed 0000 Off
                    5 SWB-39 <OF> 82 Allowed 0000 Off
                    6 SWB-39 <12> 82 Allowed 0000 Off
                                                          1 DiagnosticDrive
1 DiagnosticCTL
                    7 SWB-39 <13> 82 Allowed 0000 Off
                    8 SWB-39 <14> 82 Allowed 0000 Off
                  Results for SWB-39 category x on drive 82 No commands blocked (0 of 9)
                    0 SWB-39 <05> 83 Allowed 0000 Off 1 FormatTrack
                    1 SWB-39 <06> 83 Allowed 0000 Off
                                                          1 FormatBadSectors
                                                          1 FormatCyl
1 InitDriveParms
                    2 SWB-39 <07> 83 Allowed 0000 Off
                    3 SWB-39 <09> 83 Allowed 0000 Off
                                                          1 DiagnosticESDI
                    4 SWB-39 <0E> 83 Allowed 0000 Off
                                                          1 DiagnosticESDI
1 DiagnosticRAM
1 DiagnosticDrive
1 DiagnosticCTL
                    5 SWB-39 <OF> 83 Allowed 0000 Off
                    6 SWB-39 <12> 83 Allowed 0000 Off
                    7 SWB-39 <13> 83 Allowed 0000 Off
                    8 SWB-39 <14> 83 Allowed 0000 Off
                  Results for SWB-39 category x on drive 83 No commands blocked (0 of 9)
                  Summary: 36 sent, 0 blocked, 36 not blocked
                    0 SWB-39 <16> 80 Allowed 0000 Off 1 Undefined
                           misc commands 17-FD results omitted
                            see log files for full results
                  226 SWB-39 <FE> 80 Allowed 0000 Off
                                                          1 Undefined
                  227 SWB-39 <FF> 80 Allowed 0000 Off
                                                          1 Undefined
                  Results for SWB-39 category m on drive 80 No commands blocked (0 of
                  228)
                    0 SWB-39 <16> 81 Allowed 0000 Off
                                                          1 Undefined
                            misc commands 17-FD results omitted
                            see log files for full results
                  226 SWB-39 <FE> 81 Allowed 0000 Off
                                                          1 Undefined
                  227 SWB-39 <FF> 81 Allowed 0000 Off 1 Undefined
                  Results for SWB-39 category m on drive 81 No commands blocked (0 of
                  228)
                    0 SWB-39 <16> 82 Allowed 0000 Off
                                                            1 Undefined
                           misc commands 17-FD results omitted
                            see log files for full results
                                                          1 Undefined
1 Undefined
                  226 SWB-39 <FE> 82 Allowed 0000 Off
                  227 SWB-39 <FF> 82 Allowed 0000 Off
                  Results for SWB-39 category m on drive 82 No commands blocked (0 of
                  228)
                    0 SWB-39 <16> 83 Allowed 0000 Off
                                                          1 Undefined
                            misc commands 17-FD results omitted
                            see log files for full results
                  226 SWB-39 <FE> 83 Allowed 0000 Off
                                                            1 Undefined
                  227 SWB-39 <FF> 83 Allowed 0000 Off
                                                            1 Undefined
```

	228)	SWB-39 category m on drive 82 sent, 0 blocked, 912 not bl	`
Results:			
	Assertion	Expected Results	Actual Results
	AM-07	Tool active message	Tool active message
	AM-08	4 drives identified	4 drives identified
	AM-09	Drive 80 is unprotected	Drive 80 is unprotected
	AM-09	Drive 81 is unprotected	Drive 81 is unprotected
	AM-09	Drive 82 is protected	Drive 82 is protected
	AM-09	Drive 83 is protected	Drive 83 is protected
	AM-11	0 Commands return fail	0 Commands return fail
			Write Lock removed.

Case SWB-40 HDL	Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
Case Summary:	SWB-40 Install all drives, configure return code to success, protect
_	with pattern low, execute write commands, uninstall, execute all
	commands.
Assertions	SWB-AM-07. If the tool is executed then the tool shall issue a message
Tested:	indicating that the tool is active.
	SWB-AM-08. If the tool is executed then the tool shall issue a message
	indicating all drives accessible by the covered interfaces.
	SWB-AM-09. If the tool is executed then the tool shall issue a message
	indicating the protection status of each drive attached to a
	covered interface.
	SWB-AM-10. If the tool is configured to return success on blocked
	commands and the tool blocks a command then the return code shall
	indicate successful command execution.
	SWB-AO-09. If the tool is active and the tool is then uninstalled then
	no commands to any drive shall be blocked.
Tester Name:	JRI
Test Date:	Sun Aug 31 09:27:36 2003
Test PC:	McMillan
Test Software:	SWBT 1.0
Hard Drives	Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors
Used:	Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors
osca.	Drive 82, label 64 is a WDC WD64AA with 12594960 sectors
	Drive 83, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors
	Drive 84, label 1F is a Quantum ATLAS10K3 18 SCA Drive with 35916548
	sectors
Commands	Boot Test PC
Executed:	2000 1000 10
	Windows 98 [Version 4.10.2222]
	tally13
	hd18 S01
	test-hdl SWB-40 McMillan JRL w F6 6F 64 E3 1F
	t-off SWB-40 McMillan JRL
	hdl8 R
	test-hdl SWB-40 McMillan JRL a F6 6F 64 E3 1F
	Shutdown Test PC
Log File	***** Monitor Execution *****
Highlights:	Monitor BIOS interrupt 13h (disk service)
5 5	tally13 compiled on 07/29/03 at 07:33:17
	@(#) Version 1.1 Created 07/29/03 at 07:28:05
	Now (08/31/03 at 09:27:13) Going TSR
	***** Install HDL Log *****
	HDL Int 13 Hard Disk Write Lock VO.8 021126 (c) RCMP 1993-2002
	Royal Canadian Mounted Police
	UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
	Licensee: US Dept. Commerce / NIST S/W Testing
	5 Hard-Disks reported by Int 13h
	Hard-Disk 0 Locked!
	Hard-Disk 1 Locked!
	Hard-Disk 2 Not Locked!
	Hard-Disk 3 Not Locked!
	Hard-Disk 4 Not Locked!

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```
Case SWB-40 HDL -- Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
                        Write Lock successfully installed.
                  ***** Blocked Write Commands ****
                  CMD: a:\TEST-HDL.EXE SWB-40 McMillan JRL w F6 6F 64 E3 1F
                  Case: SWB-40
                  Command set: Write
                  Date: Sun Aug 31 09:27:21 2003
                  Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
                         @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
                         Compiled on Aug 31 2003 at 08:10:54
                  Operator: JRL
                  Host: McMillan
                  Number of drives 5, Drives: F6 6F 64 E3 1F
                       Case Cmd Drv Action Stat Cry Count Cmd Name
                    0 SWB-40 <03> 80 Blocked 0000 Off 0 WriteSectors
                                                        0 WriteLong
0 ExtWrite
                    1 SWB-40 <0B> 80 Blocked 0000 Off
                    2 SWB-40 <43> 80 Blocked 0000 Off
                  Results for SWB-40 category w on drive 80 All commands blocked (3 of 3)
                   0 SWB-40 <03> 81 Blocked 0000 Off 0 WriteSectors
                                                        0 WriteLong
                    1 SWB-40 <0B> 81 Blocked 0000 Off
                    2 SWB-40 <43> 81 Blocked 0000 Off
                                                          0 ExtWrite
                  Results for SWB-40 category w on drive 81 All commands blocked (3 of 3)
                   0 SWB-40 <03> 82 Allowed 0000 Off 1 WriteSectors
                    1 SWB-40 <0B> 82 Allowed 0000 Off
                                                         1 WriteLong
1 ExtWrite
                    2 SWB-40 <43> 82 Allowed 0000 Off
                 Results for SWB-40 category w on drive 82 No commands blocked (0 of 3)
                   0 SWB-40 <03> 83 Allowed 0000 Off $\rm 1\, WriteSectors
                                                        1 WriteLong
1 ExtWrite
                    1 SWB-40 <0B> 83 Allowed 0000 Off
                    2 SWB-40 <43> 83 Allowed 0000 Off
                  Results for SWB-40 category w on drive 83 No commands blocked (0 of 3)
                   0 SWB-40 <03> 84 Allowed 0000 Off 1 WriteSectors
                    1 SWB-40 <0B> 84 Allowed 0000 Off
                                                          1
                                                            WriteLong
                                                         1 ExtWrite
                   2 SWB-40 <43> 84 Allowed 0000 Off
                  Results for SWB-40 category w on drive 84 No commands blocked (0 of 3)
                  Summary: 15 sent, 6 blocked, 9 not blocked
                  Number of Commands not blocked (should total to 9)
                  Drive Count
                    8.0
                    81
                             Ω
                    82
                    83
                  ***** Uninstall HDL Log *****
                 HDL -- Int 13 Hard Disk Write Lock V0.8 021126 (c) RCMP 1993-2002
                         ---- Royal Canadian Mounted Police ----
                         UNAUTHORIZED USE / DISTRIBUTION PROHIBITED
                         Licensee: US Dept. Commerce / NIST S/W Testing
                         5 Hard-Disks reported by Int 13h
                        Write Lock now non-removable!
                  ***** Test Harness Log *****
                  CMD: a:\TEST-HDL.EXE SWB-40 McMillan JRL a F6 6F 64 E3 1F
                  Case: SWB-40
                  Command set: All
                  Date: Sun Aug 31 09:27:36 2003
                  Version: @(\#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51
                         @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19
                         Compiled on Aug 31 2003 at 08:10:54
                  Operator: JRL
                  Host: McMillan
                  Number of drives 5, Drives: F6 6F 64 E3 1F
                  Warning: non-zero tally (3) for drive 82 (reboot to clear)
                  Warning: non-zero tally (3) for drive 83 (reboot to clear)
                  Warning: non-zero tally (3) for drive 84 (reboot to clear)
                      Case Cmd Drv Action Stat Cry Count Cmd Name
                    0 SWB-40 <00> 80 Allowed 0000 Off
                                                        1 Reset
                    1 SWB-40 <0C> 80 Allowed 0000 Off
                                                        1 SeekDrive
1 AltReset
                    2 SWB-40 <0D> 80 Allowed 0000 Off
                    3 SWB-40 <11> 80 Blocked 0000 Off
                                                         0 Recalibrate
                    4 SWB-40 <47> 80 Blocked 0000 Off
                                                         0 ExtendedSeek
```

```
Case SWB-40 HDL -- Int_13 Hard Disk Write Lock V0.8 021126 @ RCMP 1993-2002
                  Results for SWB-40 category c on drive 80 Not all commands blocked (2
                  of 5)
                    0 SWB-40 <00> 81 Allowed 0000 Off
                                                          1
                                                             Reset
                    1 SWB-40 <0C> 81 Allowed 0000 Off
                                                             SeekDrive
                    2 SWB-40 <0D> 81 Allowed 0000 Off
                                                         1 AltReset
                                                         0 Recalibrate
                    3 SWB-40 <11> 81 Blocked 0000 Off
                    4 SWB-40 <47> 81 Blocked 0000 Off
                                                          0 ExtendedSeek
                  Results for SWB-40 category c on drive 81 Not all commands blocked (2
                  of 5)
                    0 SWB-40 <00> 82 Allowed 0000 Off
                                                          1 Reset
                    1 SWB-40 <OC> 82 Allowed 0000 Off
                                                          1 SeekDrive
                    2 SWB-40 <0D> 82 Allowed 0000 Off
                                                         1 AltReset
                                                         1 Recalibrate
                    3 SWB-40 <11> 82 Allowed 0000 Off
                    4 SWB-40 <47> 82 Allowed 0000 Off
                                                             ExtendedSeek
                  Results for SWB-40 category c on drive 82 No commands blocked (0 of 5)
                    0 SWB-40 <00> 83 Allowed 0000 Off 1 Reset
                                                         1 SeekDrive
1 AltReset
                    1 SWB-40 <OC> 83 Allowed 0000 Off
                    2 SWB-40 <0D> 83 Allowed 0000 Off
                    3 SWB-40 <11> 83 Allowed 0000 Off
                                                         1 Recalibrate
                    4 SWB-40 <47> 83 Allowed 0000 Off
                                                          1 ExtendedSeek
                  Results for SWB-40 category c on drive 83 No commands blocked (0 of 5)
                    0 SWB-40 <00> 84 Allowed 0000 Off
                                                         1 Reset
                                                         1 SeekDrive
                    1 SWB-40 <0C> 84 Allowed 0000 Off
                                                         1 AltReset
1 Recalibrate
                    2 SWB-40 <0D> 84 Allowed 0000 Off
                    3 SWB-40 <11> 84 Allowed 0000 Off
                                                         1 ExtendedSeek
                    4 SWB-40 <47> 84 Allowed 0000 Off
                  Results for SWB-40 category c on drive 84 No commands blocked (0 of 5)
                  Summary: 25 sent, 4 blocked, 21 not blocked
                    0 SWB-40 <01> 80 Allowed 0000 Off
                                                          1 GetLastStatus
                                                          1 VerifySectors
1 ReadDriveParms
                    1 SWB-40 <04> 80 Allowed 0000 Off
                    2 SWB-40 <08> 80 Allowed 0000 Off
                    3 SWB-40 <10> 80 Allowed 0000 Off
                                                         1 TestDriveReady
                    4 SWB-40 <15> 80 Allowed 0000 Off
                                                         1 ReadDriveType
                                                          1 CheckForExtensions
1 VerifySectors
                    5 SWB-40 <41> 80 Allowed 0000 Off
                    6 SWB-40 <44> 80 Allowed 0000 Off
                    7 SWB-40 <48> 80 Allowed 0000 Off
                                                          1 GetDriveParms
                  Results for SWB-40 category i on drive 80 No commands blocked (0 of 8)
                    0 SWB-40 <01> 81 Allowed 0000 Off
                                                          1 GetLastStatus
                    1 SWB-40 <04> 81 Allowed 0000 Off
                                                          1 VerifySectors
                    2 SWB-40 <08> 81 Allowed 0000 Off
                                                         1 ReadDriveParms
                                                          1 TestDriveReady
1 ReadDriveType
                    3 SWB-40 <10> 81 Allowed 0000 Off
                    4 SWB-40 <15> 81 Allowed 0000 Off
                    5 SWB-40 <41> 81 Allowed 0000 Off
                                                         1 CheckForExtensions
                                                          1 VerifySectors
1 GetDriveParms
                    6 SWB-40 <44> 81 Allowed 0000 Off
                    7 SWB-40 <48> 81 Allowed 0000 Off
                  Results for SWB-40 category i on drive 81 No commands blocked (0 of 8)
                    0 SWB-40 <01> 82 Allowed 0000 Off $\rm 1$ GetLastStatus
                                                          1 VerifySectors
1 ReadDriveParms
                    1 SWB-40 <04> 82 Allowed 0000 Off
                    2 SWB-40 <08> 82 Allowed 0000 Off
                    3 SWB-40 <10> 82 Allowed 0000 Off
                                                         1 TestDriveReady
                    4 SWB-40 <15> 82 Allowed 0000 Off
                                                         1 ReadDriveType
                    5 SWB-40 <41> 82 Allowed 0000 Off
                                                          1 CheckForExtensions
                                                         1 VerifvSectors
                    6 SWB-40 <44> 82 Allowed 0000 Off
                    7 SWB-40 <48> 82 Allowed 0000 Off
                                                          1 GetDriveParms
                  Results for SWB-40 category i on drive 82 No commands blocked (0 of 8)
                    0 SWB-40 <01> 83 Allowed 0000 Off
                                                        1 GetLastStatus
                    1 SWB-40 <04> 83 Allowed 0000 Off
                                                          1 VerifySectors
                                                         1 ReadDriveParms
                    2 SWB-40 <08> 83 Allowed 0000 Off
                    3 SWB-40 <10> 83 Allowed 0000 Off
                                                             TestDriveReady
                                                          1 ReadDriveType
                    4 SWB-40 <15> 83 Allowed 0000 Off
                    5 SWB-40 <41> 83 Allowed 0000 Off
                                                          1 CheckForExtensions
                                                          1 VerifySectors
1 GetDriveParms
                    6 SWB-40 <44> 83 Allowed 0000 Off
                    7 SWB-40 <48> 83 Allowed 0000 Off
                  Results for SWB-40 category i on drive 83 No commands blocked (0 of 8)
                                                         1 GetLastStatus
                    0 SWB-40 <01> 84 Allowed 0000 Off
                    1 SWB-40 <04> 84 Allowed 0000 Off
                                                          1
                                                             VerifySectors
                                                          1 ReadDriveParms
                    2 SWB-40 <08> 84 Allowed 0000 Off
                    3 SWB-40 <10> 84 Allowed 0000 Off
                                                         1 TestDriveReady
                    4 SWB-40 <15> 84 Allowed 0000 Off
                                                          1 ReadDriveType
                    5 SWB-40 <41> 84 Allowed 0000 Off
                                                          1
                                                             CheckForExtensions
                    6 SWB-40 <44> 84 Allowed 0000 Off
                                                          1 VerifySectors
                    7 SWB-40 <48> 84 Allowed 0000 Off
                                                          1 GetDriveParms
```

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```
Case SWB-40 HDL -- Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
                  Results for SWB-40 category i on drive 84 No commands blocked (0 of 8)
                  Summary: 40 sent, 0 blocked, 40 not blocked
                    0 SWB-40 <02> 80 Allowed 0000 Off
                                                         1 ReadSectors
                    1 SWB-40 <0A> 80 Allowed 0000 Off
                                                        1 ReadLong
                    2 SWB-40 <42> 80 Allowed 0000 Off
                                                         1 ExtRead
                  Results for SWB-40 category r on drive 80 No commands blocked (0 of 3)
                   0 SWB-40 <02> 81 Allowed 0000 Off
                                                      1 ReadSectors
                   1 SWB-40 <0A> 81 Allowed 0000 Off
                                                         1 ReadLong
                    2 SWB-40 <42> 81 Allowed 0000 Off
                                                         1 ExtRead
                  Results for SWB-40 category r on drive 81 No commands blocked (0 of 3)
                   0 SWB-40 <02> 82 Allowed 0000 Off 1 ReadSectors
                   1 SWB-40 <0A> 82 Allowed 0000 Off
                                                         1 ReadLong
                    2 SWB-40 <42> 82 Allowed 0000 Off
                                                            Ext.Read
                  Results for SWB-40 category r on drive 82 No commands blocked (0 of 3)
                   0 SWB-40 <02> 83 Allowed 0000 Off $\rm 1$ ReadSectors
                    1 SWB-40 <0A> 83 Allowed 0000 Off
                                                        1 ReadLong
1 ExtRead
                    2 SWB-40 <42> 83 Allowed 0000 Off
                  Results for SWB-40 category r on drive 83 No commands blocked (0 of 3)
                   0 SWB-40 <02> 84 Allowed 0000 Off 1 ReadSectors
                                                        1 ReadLong
1 ExtRead
                    1 SWB-40 <0A> 84 Allowed 0000 Off
                   2 SWB-40 <42> 84 Allowed 0000 Off
                  Results for SWB-40 category r on drive 84 No commands blocked (0 of 3)
                  Summary: 15 sent, 0 blocked, 15 not blocked
                    0 SWB-40 <03> 80 Blocked 0000 Off
                                                         0 WriteSectors
                                                        0 WriteLong
                    1 SWB-40 <0B> 80 Blocked 0000 Off
                    2 SWB-40 <43> 80 Blocked 0000 Off
                                                         0 Ext.Write
                  Results for SWB-40 category w on drive 80 All commands blocked (3 of 3)
                   0 SWB-40 <03> 81 Blocked 0000 Off 0 WriteSectors
                                                         0 WriteLong
                    1 SWB-40 <0B> 81 Blocked 0000 Off
                                                        0 ExtWrite
                   2 SWB-40 <43> 81 Blocked 0000 Off
                  Results for SWB-40 category w on drive 81 All commands blocked (3 of 3)
                   0 SWB-40 <03> 82 Allowed 0000 Off \, 2 WriteSectors
                    1 SWB-40 <0B> 82 Allowed 0000 Off
                                                         2 WriteLong
                    2 SWB-40 <43> 82 Allowed 0000 Off
                                                         2 ExtWrite
                  Results for SWB-40 category w on drive 82 No commands blocked (0 of 3)
                   0 SWB-40 <03> 83 Allowed 0000 Off 2 WriteSectors
1 SWR-40 <0R> 83 Allowed 0000 Off 2 WriteLong
                                                        2 ExtWrite
                   2 SWB-40 <43> 83 Allowed 0000 Off
                  Results for SWB-40 category w on drive 83 No commands blocked (0 of 3)
                   0 SWB-40 <03> 84 Allowed 0000 Off \, 2 WriteSectors
                   1 SWB-40 <0B> 84 Allowed 0000 Off
                                                         2 WriteLong
                   2 SWB-40 <43> 84 Allowed 0000 Off
                                                         2 ExtWrite
                  Results for SWB-40 category w on drive 84 No commands blocked (0 of 3)
                  Summary: 15 sent, 6 blocked, 9 not blocked
                   0 SWB-40 <05> 80 Blocked 0000 Off
                                                          0 FormatTrack
                    1 SWB-40 <06> 80 Blocked 0000 Off
                                                         0 FormatBadSectors
                    2 SWB-40 <07> 80 Blocked 0000 Off
                                                         0 FormatCyl
                   3 SWB-40 <09> 80 Blocked 0000 Off
                                                         0 InitDriveParms
                   4 SWB-40 <0E> 80 Blocked 0000 Off
                                                        0 DiagnosticESDI
                   5 SWB-40 <0F> 80 Blocked 0000 Off
                                                         0 DiagnosticESDI
                    6 SWB-40 <12> 80 Blocked 0000 Off
                                                        0 DiagnosticRAM
                    7 SWB-40 <13> 80 Blocked 0000 Off
                                                        0 DiagnosticDrive
                    8 SWB-40 <14> 80 Blocked 0000 Off
                                                         0 DiagnosticCTL
                  Results for SWB-40 category x on drive 80 All commands blocked (9 of 9)
                   0 SWB-40 <05> 81 Blocked 0000 Off
                                                      0 FormatTrack
                   1 SWB-40 <06> 81 Blocked 0000 Off
                                                         0 FormatBadSectors
                    2 SWB-40 <07> 81 Blocked 0000 Off
                                                            FormatCvl
                                                        0 InitDriveParms
                   3 SWB-40 <09> 81 Blocked 0000 Off
                   4 SWB-40 <0E> 81 Blocked 0000 Off
                                                        0 DiagnosticESDI
                    5 SWB-40 <0F> 81 Blocked 0000 Off
                                                         0 DiagnosticESDI
                                                         0 DiagnosticRAM
                    6 SWB-40 <12> 81 Blocked 0000 Off
                   7 SWB-40 <13> 81 Blocked 0000 Off
                                                         0 DiagnosticDrive
                                                         0 DiagnosticCTL
                   8 SWB-40 <14> 81 Blocked 0000 Off
                  Results for SWB-40 category x on drive 81 All commands blocked (9 of 9)
                   0 SWB-40 <05> 82 Allowed 0000 Off
                                                        1 FormatTrack
                   1 SWB-40 <06> 82 Allowed 0000 Off
                                                         1 FormatBadSectors
                   2 SWB-40 <07> 82 Allowed 0000 Off
                                                         1 FormatCyl
                    3 SWB-40 <09> 82 Allowed 0000 Off
                                                         1
                                                            InitDriveParms
                    4 SWB-40 <0E> 82 Allowed 0000 Off
                                                         1 DiagnosticESDI
                    5 SWB-40 <0F> 82 Allowed 0000 Off
                                                         1 DiagnosticESDI
```

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```
Case SWB-40 HDL -- Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
                   6 SWB-40 <12> 82 Allowed 0000 Off 1 DiagnosticRAM
                                                        1 DiagnosticDrive
                    7 SWB-40 <13> 82 Allowed 0000 Off
                   8 SWB-40 <14> 82 Allowed 0000 Off
                                                         1 DiagnosticCTL
                  Results for SWB-40 category x on drive 82 No commands blocked (0 of 9)
                   0 SWB-40 <05> 83 Allowed 0000 Off 1 FormatTrack
                   1 SWB-40 <06> 83 Allowed 0000 Off
                                                        1 FormatBadSectors
                                                        1 FormatCyl
1 InitDriveParms
                   2 SWB-40 <07> 83 Allowed 0000 Off
                   3 SWB-40 <09> 83 Allowed 0000 Off
                   4 SWB-40 <OE> 83 Allowed 0000 Off
                                                        1 DiagnosticESDI
                                                        1 DiagnosticESDI
1 DiagnosticRAM
                   5 SWB-40 <0F> 83 Allowed 0000 Off
                   6 SWB-40 <12> 83 Allowed 0000 Off
                   7 SWB-40 <13> 83 Allowed 0000 Off
                                                        1 DiagnosticDrive
                   8 SWB-40 <14> 83 Allowed 0000 Off
                                                        1 DiagnosticCTL
                  Results for SWB-40 category x on drive 83 No commands blocked (0 of 9)
                   0 SWB-40 <05> 84 Allowed 0000 Off
                                                        1 FormatTrack
                   1 SWB-40 <06> 84 Allowed 0000 Off
                                                        1 FormatBadSectors
                                                        1 FormatCyl
1 InitDriveParms
                   2 SWB-40 <07> 84 Allowed 0000 Off
                   3 SWB-40 <09> 84 Allowed 0000 Off
                                                        1 DiagnosticESDI
                   4 SWB-40 <0E> 84 Allowed 0000 Off
                   5 SWB-40 <0F> 84 Allowed 0000 Off 1 DiagnosticESDI
                                                        1 DiagnosticRAM
1 DiagnosticDrive
                   6 SWB-40 <12> 84 Allowed 0000 Off
                   7 SWB-40 <13> 84 Allowed 0000 Off
                                                        1 DiagnosticCTL
                   8 SWB-40 <14> 84 Allowed 0000 Off
                  Results for SWB-40 category x on drive 84 No commands blocked (0 of 9)
                  Summary: 45 sent, 18 blocked, 27 not blocked
                    0 SWB-40 <16> 80 Blocked 0000 Off
                                                         0 Undefined
                          misc commands 17-FD results omitted
                           see log files for full results
                  226 SWB-40 <FE> 80 Blocked 0000 Off
                                                        0 Undefined
                  227 SWB-40 <FF> 80 Blocked 0000 Off
                                                        0 Undefined
                  Results for SWB-40 category m on drive 80 All commands blocked (228 of
                   0 SWB-40 <16> 81 Blocked 0000 Off
                                                        0 Undefined
                          misc commands 17-FD results omitted
                           see log files for full results
                  226 SWB-40 <FE> 81 Blocked 0000 Off
                                                         0 Undefined
                                                       U Under__.

Undefined
                  227 SWB-40 <FF> 81 Blocked 0000 Off
                  Results for SWB-40 category m on drive 81 All commands blocked (228 of
                  228)
                   0 SWB-40 <16> 82 Allowed 0000 Off
                                                        1 Undefined
                           misc commands 17-FD results omitted
                           see log files for full results
                                                        1 Undefined
                  226 SWB-40 <FE> 82 Allowed 0000 Off
                  227 SWB-40 <FF> 82 Allowed 0000 Off
                                                         1 Undefined
                 Results for SWB-40 category m on drive 82 No commands blocked (0 of
                   0 SWB-40 <16> 83 Allowed 0000 Off
                                                         1 Undefined
                          misc commands 17-FD results omitted
                           see log files for full results
```

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```
Case SWB-40 HDL -- Int 13 Hard Disk Write Lock VO.8 021126 @ RCMP 1993-2002
                    226 SWB-40 <FE> 83 Allowed 0000 Off 1 Undefined 227 SWB-40 <FF> 83 Allowed 0000 Off 1 Undefined
                    Results for SWB-40 category m on drive 83 No commands blocked (0 of
                    228)
                      0 SWB-40 <16> 84 Allowed 0000 Off
                                                                1 Undefined
                              misc commands 17-FD results omitted
                              see log files for full results
                    226 SWB-40 <FE> 84 Allowed 0000 Off 1 Undefined 227 SWB-40 <FF> 84 Allowed 0000 Off 1 Undefined
                    Results for SWB-40 category m on drive 84 No commands blocked (0 of
                    Summary: 1140 sent, 456 blocked, 684 not blocked
Results:
                                                                    Actual Results
                     Assertion Expected Results
                      AM-07
                                  Tool active message
                                                                    Tool active message
                                   5 drives identified
                                                                    5 drives identified
                      AM-08
                                                                    Drive 80 is protected
Drive 81 is protected
                                   Drive 80 is protected
                      AM-09
                                   Drive 81 is protected
                      AM-09
                                   Drive 82 is unprotected
                                                                    Drive 82 is unprotected
                      AM-09
                      AM-09
                                   Drive 83 is unprotected
                                                                    Drive 83 is unprotected
                                   Drive 84 is unprotected
                      AM-09
                                                                    Drive 84 is unprotected
                                                                    484 Commands return success
                      AM-10
                                   484 Commands return success
                      AO-09
                                   SWB not removed
                                                                    Write Lock now non-
                                                                    removable!
Analysis:
                    SWB-40 Expected results achieved
```

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About the National Institute of Justice

NIJ is the research, development, and evaluation agency of the U.S. Department of Justice. The Institute provides objective, independent, evidence-based knowledge and tools to enhance the administration of justice and public safety. NIJ's principal authorities are derived from the Omnibus Crime Control and Safe Streets Act of 1968, as amended (see 42 U.S.C. §§ 3721–3723).

The NIJ Director is appointed by the President and confirmed by the Senate. The Director establishes the Institute's objectives, guided by the priorities of the Office of Justice Programs, the U.S. Department of Justice, and the needs of the field. The Institute actively solicits the views of criminal justice and other professionals and researchers to inform its search for the knowledge and tools to guide policy and practice.

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- 1. Partner with State and local practitioners and policymakers to identify social science research and technology needs.
- Create scientific, relevant, and reliable knowledge—with a particular emphasis on terrorism, violent crime, drugs and crime, cost-effectiveness, and community-based efforts—to enhance the administration of justice and public safety.
- 3. Develop affordable and effective tools and technologies to enhance the administration of justice and public safety.

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- 4. Disseminate relevant knowledge and information to practitioners and policymakers in an understandable, timely, and concise manner.
- 5. Act as an honest broker to identify the information, tools, and technologies that respond to the needs of stakeholders.

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