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| AUG. 04 | Test Results for Software Write Block<br>Tools: RCMP HDL VO.5 |
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# NIJ

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Director

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### Test Results for Software Write Block Tools: RCMP HDL V0.5

August 2004



National Institute of Standards and Technology Technology Administration, U.S. Department of Commerce

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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, and the National Institute of Standards and Technology's (NIST's) Office of Law Enforcement Standards (OLES) and Information Technology Laboratory (ITL); The program is supported by other organizations, including the Federal Bureau of Investigation, the U.S. Department of Defense Cyber Crime Center, the U.S. Department of Homeland Security's Bureau of Immigration and Customs Enforcement and the U.S. Secret Service. The objective of the CFTT project is to provide measurable assurance for 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 testing 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. This approach to 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 V0.5 (RCMP HDL) against the *Software Write Block Tool Specification & Test Plan Version 3.0*, available from 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.

Test results from RCMP HDL V0.4, V0.7 and V0.8 are posted on NIJ's CFTT Web page (<u>http://www.ojp.usdoj.gov/nij/sciencetech/cftt.htm</u>). Test results from other software packages and the CFTT testing methodology are also posted on this page.

### **Test Results for Software Write Block Tools**

Tool Tested: RCMP HDL V0.5 971202 ©GKH 1993, 1994, 1997

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

| Supplier: | Royal Canadian Mounted Police<br>Technological Crime Branch<br>Technical Operations Directorate |
|-----------|---|
| Address:  | 1426 St. Joseph Boulevard<br>Ottawa, ON K1A 0R2   |

### **1.0 Results Summary by Requirements**

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

For some test cases run, the tool did not block all commands that could change 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.

### 2.0 Anomalies

The tool blocked the commands that were listed in the documentation as commands that would be blocked. However, the tool did not block some commands that could change the contents or accessibility of a protected drive. The tool did not block four commands in the configuration category that could change the contents or accessability of a protected drive. The commands not blocked were the Initialize Drive Parameters (0x09), an EDSI Diagnostic command (0x0E), the Controller RAM Diagnostic command (0x12), and the Controller Internal Diagnostic command (0x14). The tool blocked only two commands in the miscellaneous category.

Test cases: SWB-03, SWB-04, SWB-05, SWB-06, SWB-15, SWB-16, SWB-17, and SWB-18.

### 3.0 Test Case Selection

The test cases were selected from the *Software Write Block Tool Specification & Test Plan Version 3.0.* All 40 test cases listed in the specification were applied to HDL V0.5.

### 4.0 Test Results by Assertion

This section groups the test results by assertion. The assertions were 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. HDL blocked every command sent from the write category to a protected drive.

Test cases: SWB-01 and SWB-02.

### 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. Except for four commands, HDL blocked every command sent from the configuration category to a protected drive. The commands not blocked by the tool were the Initialize Drive Parameters (0x09), PS/2 ESDI Diagnostic (0x0E), PC/XT Controller Ram Diagnostic (0x12), and Controller Internal Diagnostic (0x14) commands.

Test cases: SWB-03 and SWB-04.

## 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. HDL blocked only two of the commands sent from the miscellaneous category to a protected drive.

Test cases: SWB-05 and SWB-06.

## 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. HDL never blocked any command sent from the read category to a protected drive.

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### 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.

Each command in the control category was sent to all protected drives. HDL never blocked any commands sent from the control category to a protected drive.

## 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. HDL never blocked any command sent from the information category to a protected drive.

### 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.

HDL always issued either the message Hard-Disk N Locked! or the message Hard-Disk N Not Locked! to indicate the protection status of each covered 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 from the write category to a protected drive.

### 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, except for four commands, HDL blocked every command sent from the configuration category to a protected drive. The commands not blocked by the tool were the Initialize Drive Parameters (0x09), PS/2 ESDI Diagnostic (0x0E), PC/XT Controller Ram Diagnostic (0x12), and Controller Internal Diagnostic (0x14) commands.

Test Cases: SWB-15 and SWB-16.

## 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 only two of the commands sent from the miscellaneous category to a protected drive.

Test Cases: SWB-17 and SWB-18.

### 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 from the read category to a protected drive.

## 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 never blocked any command sent from the control category to a protected drive.

## 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 from the information category to a protected drive.

# 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.

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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 to an unprotected drive.

## 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 was 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. The test harness reported that the Extended Write (0x43) command was not blocked while the test harness was active. To ensure that nothing was written to the disks after the harness was no longer active, a posttest SHA1<sup>1</sup> hash value was compared to a pretest SHA1 hash value for each drive used in the test The SHA1 hash 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.

With the tool activated, each command in the write category was sent to each protected drive. The tool was then deactivated. When all commands in every category were sent to each protected drive, HDL did not block 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.

### 5.0 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: HecRamsey, McCloud, McMillan, AndWife, Cadfael, Rumpole, Wimsey, and JudgeDee. Ten hard drives (eight different models and three different brands) were used for the tests (Table 5-3).

### 5.1 Test Computers

Four host computers, Cadfael, Rumpole, Wimsey, and JudgeDee, have the hardware components listed in common:

<sup>&</sup>lt;sup>1</sup> The Secure Hash Algorithm (SHA1), developed by NISTand the National Security Agency for use with the Digital Signature Standard (DSS), is specified within the Secure Hash Standard (SHS) (National Institute of Standards and Technology, *FIPS Publication 180: Secure Hash Standard*, May 1993, SHA-1).

#### Table 5-1. Extended BIOS Host Computer Hardware Components

| ASUS CUSL2 Motherboard                       |
|--|
| BIOS: Award Medallion v6.0                   |
| Intel Pentium III (Coppermine) 933Mhz        |
| 512672k 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 |

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

The computers HecRamsey, McCloud, McMillan, and AndWife have the hardware components listed in Table 5-2 in common.

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

Intel D845WNL Motherboard BIOS: HV84510A.86A.0022.P05 Intel Pentium IV 2.0Ghz 512672k Memory Adaptec 29160 SCSI Adapter card Tekram DC-390U3W SCSI Adapter card Plextor CR-RW PX-W124TS Rev: 1.06 LG 52X CDROM 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 in testing 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 HecRamsey, McCloud, McMillan, and AndWife. Any combination of up to two IDE hard drives and two SCSI hard drives can be installed in 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 **Label** column shows an external identification for the hard drive. The **Model** column shows 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 **GB** column shows the size of the drive in gigabytes.

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| Label | Model                    | Interface | Usable Sectors | GB    |
|-------|--------------------------|-----------|----------------|-------|
| 1F    | QUANTUM_ATLAS10K3_18_SCA | SCSI      | 35916547       | 18.38 |
| 2B    | QUANTUM QM39100TD-SCA    | SCSI      | 17783248       | 9.10  |
| 64    | WDCWD64AA                | IDE       | 12594960       | 6.44  |
| бF    | Maxtor 6Y060L0           | IDE       | 120103200      | 61.49 |
| 8A    | WDC WD200EB-00CSF0       | IDE       | 39102336       | 20.02 |
| 90    | WDC WD300BB-00CAA0       | IDE       | 58633344       | 30.02 |
| E4    | QUANTUM_ATLAS10K2-TY092J | SCSI      | 17938985       | 9.18  |
| 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. Table 5.4 documents the setup of each drive. The **Drive Label** column shows an external identification for the hard drive. The **Partition Table** column describes the partition table for the drive. The **N** column 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 **Start LBA** column identifies the starting logical block address (LBA) of the partition. The **Length** column shows the length of the partition in sectors. The **Boot** column indicates the boot partition. The **Partition Type** column 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 00000063 001236942 Boot 0B Fat32   |
|             | 2 X 001429785 033865020 0F extended    |
|             | 3 S 00000063 000208782 83 Linux        |
|             | 4 x 000208845 000144585 05 extended    |
|             | 5 S 00000063 000144522 OB Fat32        |
|             | 6 x 000771120 000192780 05 extended    |
|             | 7 S 00000063 000192717 16 other        |
|             | 8 S 00000000 00000000 00 empty entry   |
|             | 9 P 035294805 000064260 83 Linux       |
| 2В          | No partition table                     |
| 64          | No partition table                     |
| бF          | No partition table                     |
| 8A          | No partition table                     |
| 90          | No partition table                     |
| E4          | N Start LBA Length boot Partition type |
|             | 1 P 00000063 006152832 Boot 0B Fat32   |
|             | 2 X 008193150 009735390 0F extended    |
|             | 3 S 00000000 00000000 00 empty entry   |
|             | 4 x 002056320 001237005 05 extended    |
|             | 5 S 00000063 001236942 07 NTFS         |
|             | 6 x 005349645 001638630 05 extended    |
|             | 7 S 00000063 001638567 17 other        |
|             | 8 x 008498385 001237005 05 extended    |
|             | 9 S 00000063 001236942 1B other        |
| F6          | N Start LBA Length boot Partition type |
|             | 1 P 00000063 006152832 Boot 0B Fat32   |
|             | 2 X 008193150 031985415 0F extended    |
|             | 3 S 00000000 00000000 00 empty entry   |
|             | 4 x 002056320 001237005 05 extended    |
|             | 5 S 00000063 001236942 07 NTFS         |

| Drive Label | Partition Table         |             |  |
|-------------|-------------------------|-------------|--|
|             | 6 x 005349645 001638630 | 05 extended |  |
|             | 7 S 00000063 001638567  | 17 other    |  |
|             | 8 x 030748410 001237005 | 05 extended |  |
|             | 9 S 00000063 001236942  | 1B other    |  |

After the drives were created, a SHA1 hash value was computed for the entire drive (Table 5-4). After testing was finished, a SHA1 hash value was computed again (Table 5-5). The lack of change in the SHA1 hash values indicates that no changes were made to the drives during testing.

#### Table 5-4. Drive SHA1 Values Before Testing

| Drive | SHA1 Hash Value                          |
|-------|--|
| 1F    | 7DB8B538BC38907FC22B1CA79996D97F77421418 |
| 2B    | 2A7810E851B7392C3D4836A5DFFB5E73E8295C6F |
| 64    | 8F52C49579C70407FE6D0EDCBE3FD7C42972823A |
| 6F    | 7C2F5F4FB0D04E5F1B51D0888753A1B125A503EA |
| 8A    | 891444D852E0C48C4713952B3BDAD89E03C205FD |
| 90    | 08B4905B4D012401656248C39C904F6072476293 |
| E4    | 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF |
| F6    | 8034683D5D55BA51409AC7B5CB0845CA2CF6B235 |

#### Table 5-5. Drive SHA1 Values After Testing

| Drive | SHA1 Hash Value                          |
|-------|--|
| 1F    | 7DB8B538BC38907FC22B1CA79996D97F77421418 |
| 2B    | 2A7810E851B7392C3D4836A5DFFB5E73E8295C6F |
| 64    | 8F52C49579C70407FE6D0EDCBE3FD7C42972823A |
| 6F    | 7C2F5F4FB0D04E5F1B51D0888753A1B125A503EA |
| 8A    | 891444D852E0C48C4713952B3BDAD89E03C205FD |
| 90    | 08B4905B4D012401656248C39C904F6072476293 |
| E4    | 25BF8AF6B2D3E0BD1909C96E368DB27F51C49CBF |
| F6    | 8034683D5D55BA51409AC7B5CB0845CA2CF6B235 |

### 5.3 Support Software

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 the Web site 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 5-6 are required for testing.

| Program                | Description  |
|------------------------|--|
|                        | The software write block tool to be tested.                                    |
| <u>SWB</u> <u>Tool</u> |  |
| TALLY13                | The interrupt 0x13 monitor program. The monitor program blocks all             |
|                        | 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.

Set up a selection of hard drives for use in testing 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.

Execute a test case using general procedures 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 a permanent 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.**
- 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. Shut down 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.

### 6.0 Interpretation of Test Results

The main item of interest when interpreting the test results is the tool's conformance 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.

## 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**, 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, the test case conforms to 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.

HDL always issued for each covered drive either the message **Hard-Disk N Locked!** or the message **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, the test case conforms to the test assertion.

## 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 *fails* 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.

# 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 a 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. First the tool is activated, and some write commands are blocked. Then the tool is deactivated and each command is sent. 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 it has been configured to return *success* for blocked commands, because deactivation might allow a buffered write to take place. If the tool is in compliance with the assertion and is successfully deactivated, all commands are allowed to all drives. If the tool does not deactivate, 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.

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

This assertion does not apply to HDL.

### 6.2 Test Results Summary Key

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

| Heading              | Description   |
|----------------------|---|
| First Line           | Test case ID, 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 Software 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.<br>HDL identifies the drives starting at 0.  |
| Log File Highlights: | Selected entries from the test case log files. There are three logfiles that may appear. The logfile created for TALLY13 is labeled <i>Monitor Execution</i> . The logfile created for HDL is labeled <i>Install HDL Log</i> . The logfile 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 since these cases require execution of HDL twice.   |
|                      | The monitor execution logfile records the program version and the date that the TALLY13 program was executed.   |
|                      | The HDL logfile is obtained by output redirection of the execution of HDL. The logfile contains the version of HDL used (V0.4), 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<br>the action taken by HDL to either block or allow each command<br>sent. The format of the file is as follows:  |
|                      | <ol> <li>Command line. The command line used to execute TEST-<br/>HDL. This line begins with the string CMD.</li> <li>Case number.</li> </ol>   |
|                      | 3. Interrupt 0x13 Functions. The category of interrupt 0x13 functions tested by this case.  |

| Heading   | Description  |
|-----------|--|
| licaung   | <ol> <li>Description</li> <li>Date.</li> <li>Version. Version information about TEST-HDL and<br/>components. The creation date, creation time and version of<br/>each source code component are listed. The compile time and<br/>date for the executable program are listed.</li> <li>Operator. The operator running the test.</li> <li>Host. The host computer running the test.</li> <li>Drives. The number of drives and the external drive label for<br/>each drive.</li> <li>The next two items are repeated for each installed drive.</li> </ol>   |
|           | <ul> <li>9. 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 <i>Cry</i> 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).</li> <li>10. Summary of commands for the drive. The message indicates the number of commands blocked out of the number of commands sent.</li> <li>11. 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).</li> </ul> |
| Results:  | Expected and actual results for each assertion tested.   |
| Analysis: | Whether or not the expected results were achieved.   |

### 7.0 Test Results Summaries

| Case SWB-01 HDL       | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|-----------------------|---|
| Case summary:         | SWB-01 Install all drives, configure return code to failure, protect all  |
|                       | drives, execute write commands.   |
| Assertions<br>Tested: | SWB-AM-01. If a drive is protected and a command from the write category<br>is issued for the protected drive then the tool shall block the<br>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<br>and the tool blocks a command then the return code shall indicate<br>unsuccessful command execution.                             |
| Tester Name:          | Blive   |
| Test Date:            | Thu Sep 25 13:23:03 2003  |
| Test PC:              | Rumpole   |
| Test Software:        | SWBT 1.0  |
| Hard Drives<br>Used:  | Drive 80, label 6F is a Maxtor 6Y060L0 with 120103200 sectors<br>Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors<br>Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors |
| Commands              | Drive 83, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors<br>Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]   |
| executed:             | tally13<br>hd15 0123  |
|                       | test-hdl SWB-01 Rumpole Blive w 6F 8A E4 2B   |
|                       | Shutdown Test PC  |
| Log File              | ***** Monitor Execution *****   |
| Highlights:           | Monitor BIOS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:33:17<br>@(#) Version 1.1 Created 07/29/03 at 07:28:05<br>Now (09/25/03 at 13:23:00) Going TSR                              |
|                       | ***** Install HDL Log *****<br>HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|                       | 4 Hard-Disks reported by Int_13h<br>Hard-Disk 0 Locked!   |
|                       | Hard-Disk 1 Locked!   |
|                       | Hard-Disk 2 Locked!   |
|                       | Hard-Disk 3 Locked!   |
|                       | H-D Write Lock successfully installed.  |
|                       | ***** Test Harness Log *****<br>CMD: A:\TEST-HDL.EXE SWB-01 Rumpole Blive w 6F 8A E4 2B   |
|                       | CAD: A. (1651-HDL.EXE SWB-01 Rumpole Blive w of oA E4 28<br>Case: SWB-01  |
|                       | Command set: Write  |
|                       | Date: Thu Sep 25 13:23:03 2003  |
|                       | <pre>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19</pre>  |
|                       | Compiled on Aug 31 2003 at 08:10:54<br>Operator: Blive  |
|                       | Host: Rumpole<br>Number of drives 4, Drives: 6F 8A E4 2B  |
|                       | Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-01 <03> 80 Blocked 0300 On 0 WriteSectors  |
|                       | 1 SWB-01 <0B> 80 Blocked 0300 On 0 WriteLong<br>2 SWB-01 <43> 80 Blocked 0300 On 0 ExtWrite   |
|                       | Results for SWB-01 category w on drive 80 All commands blocked (3 of 3)<br>0 SWB-01 <03> 81 Blocked 0300 On 0 WriteSectors  |
|                       | 1 SWB-01 <0B> 81 Blocked 0300 On 0 WriteLong<br>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)<br>0 SWB-01 c03> 82 Blocked 0300 On 0 WriteSectors  |
|                       | 1 SWB-01 <05> 82 Blocked 0300 On 0 WriteLong<br>2 SWB-01 <43> 82 Blocked 0300 On 0 ExtWrite   |
|                       |   |

| Case SWB-01 HDL | Hard-Dis  | (Int_13) Write Lock V0.5 9712  | 202 (C)GKH 1993,1994,1997  |
|-----------------|---|--|--|
|                 | 0 SWB-01<br>1 SWB-01<br>2 SWB-01<br>Results for | SWB-01 category w on drive 82<br><03> 83 Blocked 0300 On 0<br><0B> 83 Blocked 0300 On 0<br><43> 83 Blocked 0300 On 0<br>SWB-01 category w on drive 83<br>sent, 12 blocked, 0 not blocked | WriteSectors<br>WriteLong<br>ExtWrite<br>All commands blocked (3 of 3) |
| Results:        | Assertion                                       | Expected Results   | Actual Results   |
|                 | AM-01   | All cmds to drive 80 blocked   | All cmds to drive 80 blocked   |
|                 | AM-01   | All cmds to drive 81 blocked   | All cmds to drive 81 blocked   |
|                 | AM-01   | All cmds to drive 82 blocked   | All cmds to drive 82 blocked   |
|                 | AM-01   | All cmds to drive 83 blocked   | All 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   | 12 Commands return fail  | 12 Commands return fail  |
| Analysis:       | SWB-01 Expe                                     | cted results achieved  |  |

| Case SWB-02 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|-----------------|--|
| 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 category   |
| Tested:         | 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:      | Thu Sep 25 13:46:25 2003   |
| Test PC:        | Wimsey   |
| Test Software:  | SWBT 1.0   |
| Hard Drives     | Drive 80, label 6F is a Maxtor 6Y060L0 with 120103200 sectors  |
| Used:           | Drive 81, 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  |
|                 | hdl5 s01   |
|                 | test-hdl SWB-02 Wimsey JRL w 6F E4   |
|                 | 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 (09/25/03 at 13:46:23) Going TSR   |
|                 | ***** Install HDL Log *****  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|                 | 2 Hard-Disks reported by Int_13h   |
|                 | Hard-Disk 0 Locked!  |
|                 | Hard-Disk 1 Locked!  |
|                 | H-D Write Lock successfully installed.   |
|                 | ***** Test Harness Log *****   |
|                 | CMD: A:\TEST-HDL.EXE SWB-02 Wimsey JRL w 6F E4<br>Case: SWB-02   |
|                 | Command set: Write   |
|                 | Command set: Write<br>Date: Thu Sep 25 13:46:25 2003   |
|                 | Date. IIIu Sep 25 13.40.25 2003  |
|                 | <pre>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54</pre> |
|                 | Operator: JRL  |

| Case SWB-02 HDL | Hard-Disk   | (Int_13) Write Lock V0.5 9712     | 02 (C)GKH 1993,1994,1997      |  |  |
|-----------------|-------------|-----------------------------------|-------------------------------|--|--|
|                 | Host: Wimse | Aost: Wimsey                      |                               |  |  |
|                 | Number of d | Jumber of drives 2, Drives: 6F E4 |                               |  |  |
|                 |             | Cmd Drv Action Stat Cry Count     |                               |  |  |
|                 | 0 SWB-02    | <03> 80 Blocked 0000 Off 0        | WriteSectors                  |  |  |
|                 |             | <ob> 80 Blocked 0000 Off 0</ob>   |                               |  |  |
|                 |             | <43> 80 Blocked 0000 Off 0        |                               |  |  |
|                 |             | SWB-02 category w on drive 80     |                               |  |  |
|                 |             | <03> 81 Blocked 0000 Off 0        |                               |  |  |
|                 |             | <0B> 81 Blocked 0000 Off 0        | -                             |  |  |
|                 |             | <43> 81 Blocked 0000 Off 0        |                               |  |  |
|                 |             | SWB-02 category w on drive 81     | All commands blocked (3 of 3) |  |  |
|                 | Summary: 6  | sent, 6 blocked, 0 not blocked    |                               |  |  |
|                 |             |                                   |                               |  |  |
| Results:        | 3           | There exists a Demolton           |                               |  |  |
| Results:        | Assertion   | Expected Results                  | Actual Results                |  |  |
|                 | AM-01       | All cmds to drive 80 blocked      |                               |  |  |
|                 | AM-01       | All cmds to drive 81 blocked      | 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         |  |  |
|                 | AM-10       | 6 Commands return success         | 6 Commands return success     |  |  |
| Analysis:       | SWB-02 Expe | cted results achieved             |                               |  |  |

| Case SWB-03 HDL       | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |  |  |  |
|-----------------------|---|--|--|--|
| Case summary:         | SWB-03 Install one drive, configure return code to failure, protect all   |  |  |  |
|                       | drives, execute configuration commands.   |  |  |  |
| Assertions<br>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.   |  |  |  |
|                       | <ul><li>SWB-AM-07. If the tool is executed then the tool shall issue a message indicating that the tool is active.</li><li>SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces.</li><li>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</li></ul> |  |  |  |
|                       | interface.<br>SWB-AM-11. If the tool is configured to return fail on blocked commands<br>and the tool blocks a command then the return code shall indicate<br>unsuccessful command execution.   |  |  |  |
| Tester Name:          | JRL   |  |  |  |
| Test Date:            | Thu Sep 25 14:44:29 2003  |  |  |  |
| Test PC:              | McCloud   |  |  |  |
| 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<br>hdl5 0<br>test-hdl SWB-03 McCloud JRL x 8A<br>Shutdown Test PC   |  |  |  |
| Log File              | ***** Monitor Execution *****   |  |  |  |
| Highlights:           | Monitor BIOS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:33:17<br>@(#) Version 1.1 Created 07/29/03 at 07:28:05<br>Now (09/25/03 at 14:44:23) Going TSR<br>***** Install HDL Log *****   |  |  |  |
|                       | <pre>HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997</pre>  |  |  |  |
|                       | CMD: A:\TEST-HDL.EXE SWB-03 McCloud JRL x 8A<br>Case: SWB-03<br>Command set: Configure<br>Date: Thu Sep 25 14:44:29 2003  |  |  |  |
|                       | <pre>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</pre>  |  |  |  |

| Case SWB-03 HDL | Hard-Disk   | (Int_13) Write Lock V0.5 971    | 202 (C)GKH 1993,1994,1997        |  |  |
|-----------------|-------------|---------------------------------|----------------------------------|--|--|
|                 | Host: McClo | Host: McCloud                   |                                  |  |  |
|                 | Number of d | rives 1, Drives: 8A             |                                  |  |  |
|                 | Case (      | Cmd Drv Action Stat Cry Count   | Cmd Name                         |  |  |
|                 |             |                                 | ) FormatTrack                    |  |  |
|                 |             | <06> 80 Blocked 0300 On (       |                                  |  |  |
|                 | 2 SWB-03    | <07> 80 Blocked 0300 On (       | ) FormatCyl                      |  |  |
|                 |             | <09> 80 Allowed 0000 Off 1      |                                  |  |  |
|                 |             | <oe> 80 Allowed 0000 Off 1</oe> |                                  |  |  |
|                 |             | <0F> 80 Blocked 0300 On (       | -                                |  |  |
|                 |             | <12> 80 Allowed 0000 Off 1      | -                                |  |  |
|                 |             | <13> 80 Blocked 0300 On (       | -                                |  |  |
|                 |             | <14> 80 Allowed 0000 Off 1      | 5                                |  |  |
|                 |             | SWB-03 category x on drive 80   | ) Not all commands blocked (5 of |  |  |
|                 | 9)          |                                 |                                  |  |  |
|                 | Summary: 9  | sent, 5 blocked, 4 not blocked  | 1                                |  |  |
|                 |             |                                 |                                  |  |  |
|                 |             |                                 |                                  |  |  |
| Results:        | Assertion   | Expected Results                | Actual Results                   |  |  |
|                 | AM-02       | All cmds to drive 80            | Not all cmds to drive 80         |  |  |
|                 |             | blocked                         | blocked                          |  |  |
|                 | AM-07       | Tool active message             | Tool active message              |  |  |
|                 | AM-08       | 1 drives identified             | 1 drives identified              |  |  |
|                 | AM-09       | Drive 80 is protected           | Drive 80 is protected            |  |  |
|                 | AM-11       | 5 Commands return fail          | 5 Commands return fail           |  |  |
| Analysis:       | SWB-03 Expe | cted results not achieved for   | assertions: AM-02                |  |  |

|                | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |
|----------------|--|--|--|
| 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<br>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:   | Blive  |  |  |
| Test Date:     | Thu Sep 25 13:25:22 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 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  |  |  |
|                | hdl5 S0123   |  |  |
|                | test-hdl SWB-04 Rumpole Blive x 6F 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 (09/25/03 at 13:25:19) Going TSR   |  |  |
|                | ***** Install HDL Log *****  |  |  |
|                | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |
|                | 4 Hard-Disks reported by Int_13h   |  |  |
|                | Hard-Disk 0 Locked!  |  |  |
|                | Hard-Disk 1 Locked!  |  |  |
|                | Hard-Disk 2 Locked!  |  |  |
|                | Hard-Disk 3 Locked!  |  |  |
|                | H-D Write Lock successfully installed.   |  |  |
|                | ***** Test Harness Log *****   |  |  |
|                | CMD: A:\TEST-HDL.EXE SWB-04 Rumpole Blive x 6F 8A E4 2B<br>Case: SWB-04  |  |  |
|                |  |  |  |

| Case SWB-04 HDL | Hard-Dis          | t (Int_13) Write Lock V0.5 971                                | 202 (C)GKH 1993,1994,1997                           |
|-----------------|-------------------|---|---|
|                 | Command set       |   |   |
|                 |                   | ep 25 13:25:22 2003   |   |
|                 |                   |   |   |
|                 |                   | #) test-hdl.cpp Version 1.1 C                                 |   |
|                 | ,                 | wb-defs.h Version 1.2 Create                                  |   |
|                 |                   | oiled on Aug 31 2003 at 08:10:                                | 54  |
|                 | Operator: B       |   |   |
|                 | Host: Rumpo       |   |   |
|                 |                   | rives 4, Drives: 6F 8A E4 2B<br>Cmd Drv Action Stat Cry Count | - Crud Nama   |
|                 |                   | -   | ) FormatTrack                                       |
|                 |                   |   | ) FormatBadSectors                                  |
|                 |                   |   | ) FormatCyl   |
|                 |                   |   | 1 InitDriveParms                                    |
|                 |                   |   | l DiagnosticESDI                                    |
|                 | 5 SWB-04          | <of> 80 Blocked 0000 Off</of>                                 | ) DiagnosticESDI                                    |
|                 | 6 SWB-04          | <12> 80 Allowed 0000 Off                                      | l DiagnosticRAM                                     |
|                 | 7 SWB-04          | <13> 80 Blocked 0000 Off                                      | ) DiagnosticDrive                                   |
|                 |                   |   | l DiagnosticCTL                                     |
|                 |                   | SWB-04 category x on drive 80                                 | ) Not all commands blocked (5 of                    |
|                 | 9)                |   |   |
|                 |                   |   | ) FormatTrack                                       |
|                 |                   |   | ) FormatBadSectors                                  |
|                 |                   |   | ) FormatCyl<br>1 InitDriveParms                     |
|                 |                   |   | l InitDriveParms<br>l DiagnosticESDI                |
|                 |                   |   | ) DiagnosticESDI                                    |
|                 |                   |   | 1 DiagnosticRAM                                     |
|                 |                   |   | DiagnosticDrive                                     |
|                 |                   |   | 1 DiagnosticCTL                                     |
|                 |                   |   | 1 Not all commands blocked (5 of                    |
|                 | 9)                |   |   |
|                 | 0 SWB-04          | <05> 82 Blocked 0000 Off                                      | ) FormatTrack                                       |
|                 |                   |   | ) FormatBadSectors                                  |
|                 |                   |   | ) FormatCyl   |
|                 |                   |   | l InitDriveParms                                    |
|                 |                   |   | l DiagnosticESDI                                    |
|                 |                   |   | ) DiagnosticESDI                                    |
|                 |                   |   | l DiagnosticRAM<br>) DiagnosticDrive                |
|                 |                   |   | 1 DiagnosticCTL                                     |
|                 |                   |   | 2 Not all commands blocked (5 of                    |
|                 | 9)                | Sub of category a on arive of                                 |   |
|                 | ,                 | <05> 83 Blocked 0000 Off                                      | ) FormatTrack                                       |
|                 | 1 SWB-04          | <06> 83 Blocked 0000 Off                                      | ) FormatBadSectors                                  |
|                 | 2 SWB-04          | <07> 83 Blocked 0000 Off                                      | ) FormatCyl   |
|                 | 3 SWB-04          | <09> 83 Allowed 0000 Off                                      | l InitDriveParms                                    |
|                 |                   |   | l DiagnosticESDI                                    |
|                 |                   |   | ) DiagnosticESDI                                    |
|                 |                   |   | l DiagnosticRAM                                     |
|                 |                   |   | ) DiagnosticDrive                                   |
|                 |                   |   | 1 DiagnosticCTL<br>2 Not all commands blocked (5 of |
|                 |                   | SWB-04 calegory x on drive 8.                                 | 3 Not all commands blocked (5 of                    |
|                 | 9)<br>Summary: 36 | sent 20 blocked 16 pet block                                  | rked  |
|                 | Summary. 30       | sent, 20 blocked, 16 not bloc                                 | Sheu  |
|                 |                   |   |   |
| Results:        | Assertion         | Expected Results  | Actual Results                                      |
|                 | AM-02             | All cmds to drive 80  | Not all cmds to drive 80                            |
|                 |                   | blocked   | blocked   |
|                 | AM-02             | All cmds to drive 81  | Not all cmds to drive 81                            |
|                 |                   | blocked   | blocked   |
|                 | AM-02             | All cmds to drive 82  | Not all cmds to drive 82                            |
|                 |                   | blocked   | blocked   |
|                 | AM-02             | All cmds to drive 83  | Not 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                               |
| A 2004          |                   | 22 - 577  | $T_{1} \rightarrow D_{2} \rightarrow 1$             |

Test Results for HDL V0.5

| Case SWB-04 HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997 |             |   |  |  |
|---|-------------|---|--|--|
|   | AM-10       | 20 Commands return success 20 Commands return success |  |  |
| Analysis:   | SWB-04 Expe | ected results not achieved for assertions: AM-02      |  |  |

| Case SWB-05 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997          |
|-----------------|--|
| Case summary:   | SWB-05 Install two drives, configure return code to failure, 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.   |
|                 | 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:    | Blive  |
| Test Date:      | Thu Sep 25 13:52:51 2003   |
| Test PC:        | Wimsey   |
| Test Software:  | SWBT 1.0   |
| Hard Drives     | Drive 80, label 6F is a Maxtor 6Y060L0 with 120103200 sectors            |
| Used:           | Drive 81, 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  |
| executed.       | hdl5 01  |
|                 | test-hdl SWB-05 Wimsey Blive m 6F E4                                     |
|                 | Shutdown Test PC   |
| Log File        | ***** Monitor Execution *****  |
| Highlights:     | Monitor BIOS interrupt 13h (disk service)                                |
| inightights.    | tally13 compiled on 07/29/03 at 07:33:17                                 |
|                 | @(#) Version 1.1 Created 07/29/03 at 07:28:05                            |
|                 | Now (09/25/03 at 13:52:48) Going TSR                                     |
|                 | ***** Install HDL Log *****  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997      |
|                 | 2 Hard-Disks reported by Int_13h   |
|                 | Hard-Disk 0 Locked!  |
|                 | Hard-Disk 1 Locked!  |
|                 | H-D Write Lock successfully installed.                                   |
|                 | ***** Test Harness Log *****   |
|                 | CMD: A:\TEST-HDL.EXE SWB-05 Wimsey Blive m 6F E4                         |
|                 | Case: SWB-05   |
|                 | Command set: Misc  |
|                 | Date: Thu Sep 25 13:52:51 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: Blive  |
|                 | Host: Wimsey   |
|                 | Number of drives 2, Drives: 6F E4  |
|                 | Case Cmd Drv Action Stat Cry Count Cmd Name                              |
|                 | 0 SWB-05 <16> 80 Allowed 0000 Off 1 Undefined                            |
|                 |  |
|                 |  |
|                 | misc commands 17-FD results omitted                                      |
|                 |  |
|                 | see log files for full results   |
|                 |  |
|                 |  |
|                 |  |
|                 | 226 SWB-05 <fe> 80 Allowed 0000 Off 1 Undefined</fe>                     |
|                 | 227 SWB-05 <ff> 80 Allowed 0000 Off 1 Undefined</ff>                     |
|                 | Results for SWB-05 category m on drive 80 Not all commands blocked (2 of |
|                 | 228)   |
|                 | 0 SWB-05 <16> 81 Allowed 0000 Off 1 Undefined                            |
|                 |  |
|                 |  |
|                 | misc commands 17-FD results omitted                                      |

| Case SWB-05 HDL | Hard-Dis                          | c (Int_13) Write Lock V0.5 971   | 202 (C)GKH 1993,1994,1997                       |
|-----------------|-----------------------------------|--|---|
|                 | se                                | e log files for full results   |   |
|                 |                                   |  |   |
|                 | 227 SWB-05<br>Results for<br>228) | <fe> 81 Allowed 0000 Off<br/><fe> 81 Allowed 0000 Off<br/>SWB-05 category m on drive 83<br/>6 sent, 4 blocked, 452 not blo</fe></fe> | l Undefined<br>1 Not all commands blocked (2 of |
| Results:        | Assertion                         | Expected Results   | Actual Results                                  |
|                 | AM-03                             | All cmds to drive 80<br>blocked  | Not all cmds to drive 80<br>blocked             |
|                 | AM-03                             | All cmds to drive 81<br>blocked  | Not all cmds to drive 81<br>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                           |
|                 | AM-11                             | 4 Commands return fail   | 4 Commands return fail                          |
| Analysis:       | SWB-05 Expe                       | cted results not achieved for  | assertions: AM-03                               |

| Case summary:         | SWB-06 Install one drive, configure return code to success, protect all  |  |  |  |
|-----------------------|--|--|--|--|
|                       | drives, execute miscellaneous commands.  |  |  |  |
| Assertions<br>Tested: | 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.   |  |  |  |
|                       | 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 Sep 25 14:57:01 2003   |  |  |  |
| Test PC:              | McCloud  |  |  |  |
| 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  |  |  |  |
|                       | hdl5 S0  |  |  |  |
|                       | test-hdl SWB-06 McCloud JRL m 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 (09/25/03 at 14:56:54) Going TSR   |  |  |  |
|                       | ***** Install HDL Log *****  |  |  |  |
|                       | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |  |
|                       | 1 Hard-Disks reported by Int_13h   |  |  |  |
|                       | Hard-Disk 0 Locked!  |  |  |  |
|                       | H-D Write Lock successfully installed.   |  |  |  |
|                       | ***** Test Harness Log *****   |  |  |  |
|                       | CMD: A:\TEST-HDL.EXE SWB-06 McCloud JRL m 8A   |  |  |  |
|                       | Case: SWB-06   |  |  |  |
|                       | Command set: Misc  |  |  |  |
|                       | Date: Thu Sep 25 14:57:01 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<br>Compiled on Aug 31 2003 at 08:10:54   |  |  |  |
|                       | Operator: JRL  |  |  |  |

| Case SWB-06 HDL | Hard-Disk   | (Int_13) Write Lock V0.5 971    | 202 (C)GKH 1993,1994,1997 |
|-----------------|---|---------------------------------|---------------------------|
|                 | Host: McClou  | Jd                              |                           |
|                 | Number of di  | rives 1, Drives: 8A             |                           |
|                 | Case Cmd Drv Action Stat Cry Count Cmd Name                                   |                                 | Cmd Name                  |
|                 | 0 SWB-06 ·  | <16> 80 Allowed 0000 Off 1      | Undefined                 |
|                 |   |                                 |                           |
|                 | mis   | sc commands 17-FD results omit  | ted                       |
|                 | see   | e log files for full results    |                           |
|                 |   |                                 |                           |
|                 | 226 SWB-06 ·  | <fe> 80 Allowed 0000 Off 1</fe> | L Undefined               |
|                 | 227 SWB-06 <ff> 80 Allowed 0000 Off 1 Undefined</ff>                          |                                 |                           |
|                 | Results for SWB-06 category m on drive 80 Not all commands blocked (2 of 228) |                                 |                           |
|                 | Summary: 228 sent, 2 blocked, 226 not blocked                                 |                                 |                           |
|                 |   |                                 |                           |
| Results:        | Assertion   | Expected Results                | Actual Results            |
|                 | AM-03   | All cmds to drive 80            | Not all cmds to drive 80  |
|                 |   | blocked                         | blocked                   |
|                 | AM-07   | Tool active message             | Tool active message       |
|                 | AM-08   | 1 drives identified             | 1 drives identified       |
|                 | AM-09   | Drive 80 is protected           | Drive 80 is protected     |
|                 | AM-10   | 2 Commands return success       | 2 Commands return success |
| Analysis:       | SWB-06 Expe   | cted results not achieved for   | assertions: AM-03         |

| Case SWB-07 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                 |
|-----------------|---|
| 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:    | Blive   |
| Test Date:      | Thu Sep 25 13:27:39 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 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   |
|                 | hdl5 0123   |
|                 | test-hdl SWB-07 Rumpole Blive r 6F 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 (09/25/03 at 13:27:37) Going TSR  |
|                 | ***** Install HDL Log *****   |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997             |
|                 | 4 Hard-Disks reported by Int_13h  |
|                 | Hard-Disk 0 Locked!   |
|                 | Hard-Disk 0 Locked!<br>Hard-Disk 1 Locked!                                      |
|                 | Hard-Disk 2 Locked!   |
|                 | Hard-Disk 3 Locked!   |
|                 | H-D Write Lock successfully installed.  |
|                 | ***** Test Harness Log *****  |

| Case SWB-07 HDL | Hard-Disk    | (Int_13) Write Lock V0.5 971   | 202 (C)GKH 1993,1994,1997      |
|-----------------|--------------|--|--------------------------------|
|                 |              | I-HDL.EXE SWB-07 Rumpole Blive   |                                |
|                 | Case: SWB-0  | 7  |                                |
|                 | Command set  | : Read   |                                |
|                 | Date: Thu Se | ep 25 13:27:39 2003  |                                |
|                 |              |  |                                |
|                 |              | #) test-hdl.cpp Version 1.1 C  |                                |
|                 | @(#)         | wb-defs.h Version 1.2 Create   | d 08/31/03 at 08:18:19         |
|                 | Comp         | iled on Aug 31 2003 at 08:10:  | 54                             |
|                 | Operator: B  | live   |                                |
|                 | Host: Rumpo  | le   |                                |
|                 | Number of d  | rives 4, Drives: 6F 8A E4 2B   |                                |
|                 | Case (       | Cmd Drv Action Stat Cry Count  | t Cmd Name                     |
|                 |              | <02> 80 Allowed 0000 Off 1   |                                |
|                 | 1 SWB-07     | <oa> 80 Allowed 0000 Off</oa>  | l ReadLong                     |
|                 | 2 SWB-07     | <0A> 80 Allowed 0000 Off : :<br><42> 80 Allowed 0000 Off : :   | 1 ExtRead                      |
|                 |              |  | ) No commands blocked (0 of 3) |
|                 | 0 SWB-07     | <02> 81 Allowed 0000 Off   | 1 ReadSectors                  |
|                 | 1 SWB-07     | <oa> 81 Allowed 0000 Off</oa>  | l ReadLong                     |
|                 | 2 SWB-07     | <42> 81 Allowed 0000 Off   | l ExtRead                      |
|                 | Results for  | SWB-07 category r on drive 83  | 1 No commands blocked (0 of 3) |
|                 | 0 SWB-07     | <02> 82 Allowed 0000 Off   | 1 ReadSectors                  |
|                 | 1 SWB-07     | <pre>&lt;02&gt; 82 Allowed 0000 Off<br/>&lt;02&gt; 82 Allowed 0000 Off<br/>&lt;42&gt; 82 Allow</pre> | l ReadLong                     |
|                 | 2 SWB-07     | <42> 82 Allowed 0000 Off   | 1 ExtRead                      |
|                 | Results for  | SWB-07 category r on drive 82  | 2 No commands blocked (0 of 3) |
|                 | 0 SWB-07     | <02> 83 Allowed 0000 Off   | 1 ReadSectors                  |
|                 | 1 SWB-07     | <0A> 83 Allowed 0000 Off   | l ReadLong                     |
|                 | 2 SWB-07     | <42> 83 Allowed 0000 Off   | 1 ExtRead                      |
|                 | Results for  | SWB-07 category r on drive 83  | 3 No commands blocked (0 of 3) |
|                 | Summary: 12  | sent, 0 blocked, 12 not block  | ked                            |
|                 | _            |  |                                |
|                 |              |  |                                |
| 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 Expe  | cted results achieved  |                                |
|                 |              |  |                                |

| Case SWB-08 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                                     |
|-----------------|---|
| Case summary:   | SWB-08 Install two drives, configure return code to success, 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 $% \mathcal{A}_{\mathrm{S}}$ |
|                 | 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:    | Blive   |
| Test Date:      | Thu Sep 25 13:59:35 2003  |
| Test PC:        | Wimsey  |
| Test Software:  | SWBT 1.0  |
| Hard Drives     | Drive 80, label 6F is a Maxtor 6Y060L0 with 120103200 sectors                                       |
| Used:           | Drive 81, 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   |
|                 | hdl5 S01  |

| Case SWB-08 HDL | Hard-Disk  | (Int_13) Write Lock V0.5 971   | .202 (C)GKH 1993,1994,1997     |
|-----------------|--|--------------------------------|--------------------------------|
|                 | test-hdl SWI   | 3-08 Wimsey Blive r 6F E4      |                                |
|                 | Shutdown Tes   | st PC                          |                                |
| Log File        | ***** Monito   | or Execution *****             |                                |
| Highlights:     | Monitor BIOS   | 5 interrupt 13h (disk service) | )                              |
|                 | tally13 cor  | npiled on 07/29/03 at 07:33:17 | 7                              |
|                 | @(#) Version   | n 1.1 Created 07/29/03 at 07:2 | 28:05                          |
|                 | Now (09/25/0   | )3 at 13:59:33) Going 1        | <b>I</b> SR                    |
|                 | ***** Insta  | ll HDL Log ****                |                                |
|                 | HDL Hard   | -Disk (Int_13) Write Lock V0.5 | 5 971202 (C)GKH 1993,1994,1997 |
|                 | 2 Har  | rd-Disks reported by Int_13h   |                                |
|                 | Hard   | -Disk 0 Locked!                |                                |
|                 | Hard   | -Disk 1 Locked!                |                                |
|                 |  | Write Lock successfully instal | lled.                          |
|                 | ***** Test H   | larness Log *****              |                                |
|                 |  | -HDL.EXE SWB-08 Wimsey Blive   | r 6F E4                        |
|                 | Case: SWB-08   | 3                              |                                |
|                 | Command set  |                                |                                |
|                 | Date: Thu Se   | ep 25 13:59:35 2003            |                                |
|                 | Version: @(  | ) test-hdl.cpp Version 1.1 Cr  | reated 08/23/03 at 10:13:51    |
|                 |  |                                |                                |
|                 | @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54 |                                |                                |
|                 | Operator: Blive  |                                |                                |
|                 | Host: Wimsey   |                                |                                |
|                 | Number of drives 2, Drives: 6F E4  |                                |                                |
|                 |  | Cmd Drv Action Stat Cry Count  | Cmd Name                       |
|                 |  | <02> 80 Allowed 0000 Off 1     |                                |
|                 | 1 SWB-08 ·   | <0A> 80 Allowed 0000 Off 1     | l ReadLong                     |
|                 | 1 SWB-08 <0A> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-08 <42> 80 Allowed 0000 Off 1 ExtRead    |                                |                                |
|                 | Results for  | SWB-08 category r on drive 80  | ) No commands blocked (0 of 3) |
|                 |  | <02> 81 Allowed 0000 Off 1     |                                |
|                 | 1 SWB-08 ·   | <oa> 81 Allowed 0000 Off</oa>  | l ReadLong                     |
|                 | 2 SWB-08 <42> 81 Allowed 0000 Off 1 ExtRead  |                                |                                |
|                 | Results for SWB-08 category r on drive 81 No commands blocked (0 of 3)                         |                                |                                |
|                 | Summary: 6 sent, 0 blocked, 6 not blocked  |                                |                                |
|                 |  |                                |                                |
| 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-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          |
|                 | AM-10  | 0 Commands return success      | 0 Commands return success      |
| Analysis:       |  | cted results achieved          |                                |

| Case SWB-09 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         |
|-----------------|---|
| 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:    | Blive   |
| Test Date:      | Thu Sep 25 15:04:52 2003  |
| Test PC:        | McCloud   |
| 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   |
| A and 2004      | 29 of 77 Test Desults for HDL V0 5                                      |

| Case SWB-09 HDL | Hard-Disk   | (Int_13) Write Lock V0.5 971                | 202 (C)GKH 1993,1994,1997             |
|-----------------|---|---|---------------------------------------|
|                 | hdl5 0  |   |                                       |
|                 | test-hdl SWE  | 3-09 McCloud Blive i 8A                     |                                       |
|                 | Shutdown Tes  | st PC                                       |                                       |
| Log File        | **** Monito   | or Execution *****                          |                                       |
| Highlights:     | Monitor BIOS  | S interrupt 13h (disk service)              | )                                     |
|                 | tallv13 com   | piled on 07/29/03 at 07:33:15               | 7                                     |
|                 | -   | 1.1 Created 07/29/03 at 07:2                |                                       |
|                 |   | )3 at 15:04:45) Going 1                     |                                       |
|                 |   | _1 HDL Log ****                             |                                       |
|                 |   | -   | 5 971202 (C)GKH 1993,1994,1997        |
|                 |   | d-Disks reported by Int_13h                 | , , , , , , , , , , , , , , , , , , , |
|                 |   | -Disk 0 Locked!                             |                                       |
|                 |   | Write Lock successfully instal              | lled                                  |
|                 |   | larness Log ****                            |                                       |
|                 |   | C-HDL.EXE SWB-09 McCloud Blive              | - i 8A                                |
|                 | Case: SWB-09  |   |                                       |
|                 |   | Information                                 |                                       |
|                 |   | 25 15:04:52 2003                            |                                       |
|                 | Date: Illu Se   | p 25 15.04.52 2005                          |                                       |
|                 | Version: @(#  | ) test-hdl.cpp Version 1.1 C                | reated 08/23/03 at 10:13:51           |
|                 |   | wb-defs.h Version 1.2 Create                |                                       |
|                 | ,   | iled on Aug 31 2003 at 08:10:               |                                       |
|                 | Operator: Bl  | 3   |                                       |
|                 | Host: McClou  |   |                                       |
|                 |   | rives 1, Drives: 8A                         |                                       |
|                 |   | End Drv Action Stat Cry Count               | . Cmd Name                            |
|                 |   | -   | GetLastStatus                         |
|                 |   |   | l VerifySectors                       |
|                 |   |   | L ReadDriveParms                      |
|                 |   |   | L TestDriveReady                      |
|                 |   |   | l ReadDriveType                       |
|                 |   |   | L CheckForExtensions                  |
|                 |   |   | l VerifySectors                       |
|                 |   | <pre>&lt;48&gt; 80 Allowed 0000 Off 1</pre> |                                       |
|                 |   |   |                                       |
|                 | Results for SWB-09 category i on drive 80 No commands blocked (0 of 8)<br>Summary: 8 sent, 0 blocked, 8 not blocked |   |                                       |
|                 |   |   | -                                     |
|                 |   |   |                                       |
| Results:        | Assertion   | Expected Results                            | Actual Results                        |
|                 | AM-06   | No cmds to drive 80 blocked                 | No cmds to drive 80 blocked           |
|                 | AM-07   | Tool active message                         | Tool active message                   |
|                 | AM-08   | 1 drives identified                         | 1 drives identified                   |
|                 | AM-09   | Drive 80 is protected                       | Drive 80 is protected                 |
|                 | AM-11   | 0 Commands return fail                      | 0 Commands return fail                |
|                 | I   | ted results achieved                        |                                       |

| Case SWB-10 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |  |  |
|-----------------|---|--|--|
| 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<br>indicating the protection status of each drive attached to a covere<br>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:    | Blive   |  |  |
| Test Date:      | Thu Sep 25 13:30:34 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 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]  |  |  |

| Case SWB-10 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|-----------------|---|
| executed:       | tally13   |
| chicouoda       | hd15 S0123  |
|                 | test-hdl SWB-10 Rumpole Blive i 6F 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 (09/25/03 at 13:30:31) Going TSR  |
|                 | ***** Install HDL Log *****   |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|                 | 4 Hard-Disks reported by Int_13h  |
|                 | Hard-Disk 0 Locked!   |
|                 | Hard-Disk 1 Locked!   |
|                 | Hard-Disk 2 Locked!   |
|                 | Hard-Disk 3 Locked!   |
|                 | H-D Write Lock successfully installed.  |
|                 | ***** Test Harness Log *****  |
|                 | CMD: A:\TEST-HDL.EXE SWB-10 Rumpole Blive i 6F 8A E4 2B<br>Case: SWB-10   |
|                 | Command set: Information  |
|                 | Date: Thu Sep 25 13:30:34 2003  |
|                 | Date. Ind Sep 23 13.30.34 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: Blive   |
|                 | Host: Rumpole   |
|                 | Number of drives 4, Drives: 6F 8A E4 2B   |
|                 | Case Cmd Drv Action Stat Cry Count Cmd Name   |
|                 | 0 SWB-10 <01> 80 Allowed 0000 Off 1 GetLastStatus   |
|                 | 1 SWB-10 <04> 80 Allowed 0000 Off 1 VerifySectors<br>2 SWB-10 <08> 80 Allowed 0000 Off 1 ReadDriveParms   |
|                 |   |
|                 | 3 SWB-10 <10> 80 Allowed 0000 Off 1 TestDriveReady  |
|                 | 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 CheckForType |
|                 | 5 5WB 10 (11) 00 ATTOWCO 0000 011 1 CHCCRFOTEXCENSIONS  |
|                 | 6 SWB-10 <44> 80 Allowed 0000 Off 1 VerifySectors   |
|                 | 7 SWB-10 <48> 80 Allowed 0000 Off 1 GetDriveParms   |
|                 | Results for SWB-10 category i on drive 80 No commands blocked (0 of 8)  |
|                 | 0 SWB-10 <01> 81 Allowed 0000 Off 1 GetLastStatus<br>1 SWB-10 <04> 81 Allowed 0000 Off 1 VerifySectors  |
|                 | 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   |
|                 | 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<br>1 SWB-10 <04> 83 Allowed 0000 Off 1 VerifySectors  |
|                 | 2 SWB-10 <04> 83 Allowed 0000 Off 1 VerifySectors<br>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)  |
|                 | Summary: 32 sent, 0 blocked, 32 not blocked   |
|                 |   |
|                 |   |
| Results:        | Assertion Expected Results Actual 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   |
| L               |   |

| Case SWB-10 HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997 |             |                             |                             |  |
|---|-------------|-----------------------------|-----------------------------|--|
|   | 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-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-10       | 0 Commands return success   | 0 Commands return success   |  |
| Analysis:   | SWB-10 Expe | cted results achieved       |                             |  |

| Case SWB-11 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |  |  |
|-----------------|---|--|--|
| 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:    | Blive   |  |  |
| Test Date:      | Thu Sep 25 14:02:11 2003  |  |  |
| Test PC:        | Wimsey  |  |  |
| Test Software:  | SWBT 1.0  |  |  |
| Hard Drives     | Drive 80, label 6F is a Maxtor 6Y060L0 with 120103200 sectors   |  |  |
| Used:           | Drive 81, label E4 is a OUANTUM ATLAS10K2-TY092J with 17938985 sectors  |  |  |
| Commands        | Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]  |  |  |
| executed:       | tally13   |  |  |
|                 | hdl5 01   |  |  |
|                 | test-hdl SWB-11 Wimsey Blive c 6F E4  |  |  |
|                 | 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 (09/25/03 at 14:02:09) Going TSR  |  |  |
|                 | ***** Install HDL Log *****   |  |  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |  |  |
|                 | 2 Hard-Disks reported by Int_13h  |  |  |
|                 | Hard-Disk 0 Locked!   |  |  |
|                 | Hard-Disk 1 Locked!   |  |  |
|                 | H-D Write Lock successfully installed.  |  |  |
|                 | ***** Test Harness Log *****  |  |  |
|                 | CMD: A:\TEST-HDL.EXE SWB-11 Wimsey Blive c 6F E4  |  |  |
|                 | Case: SWB-11  |  |  |
|                 | Command set: Control  |  |  |
|                 | Date: Thu Sep 25 14:02:11 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: Blive   |  |  |
|                 | Host: Wimsey  |  |  |
|                 | Number of drives 2, Drives: 6F E4   |  |  |
|                 | Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-11 <00> 80 Allowed 0000 Off 1 Reset                            |  |  |
|                 | 1 SWB-11 <00> 80 Allowed 0000 Off 1 Reset<br>1 SWB-11 <0C> 80 Allowed 0000 Off 1 SeekDrive                          |  |  |
|                 | 2 SWB-11 <oc> 80 Allowed 0000 Off 1 AltReset</oc>   |  |  |
|                 |   |  |  |
|                 |   |  |  |
|                 |   |  |  |
|                 | Results for SWB-11 category c on drive 80 No commands blocked (0 of 5)<br>0 SWB-11 <00> 81 Allowed 0000 Off 1 Reset |  |  |
|                 | 0 SWB-11 <00> 81 Allowed 0000 Off 1 Reset<br>1 SWB-11 <0C> 81 Allowed 0000 Off 1 SeekDrive                          |  |  |
|                 | 2 SWB-11 <oc> 81 Allowed 0000 Off 1 AltReset</oc>   |  |  |
|                 | 2 DWD II (UD/ 01 AILOWED UUUU UII I AILRESEL  |  |  |

Test Results for HDL V0.5

| Case SWB-11 HDL | Hard-Dis                         | (Int_13) Write Lock V0.5 971  | 202 (C)GKH 1993,1994,1997                        |  |
|-----------------|----------------------------------|---|--|--|
|                 | 4 SWB-11<br>Results for          | <11> 81 Allowed 0000 Off<br><47> 81 Allowed 0000 Off<br>SWB-11 category c on drive 8<br>sent, 0 blocked, 10 not block | l ExtendedSeek<br>l No commands blocked (0 of 5) |  |
| Results:        | Assertion                        | Expected Results  | Actual Results                                   |  |
|                 | AM-05                            | No cmds to drive 80 blocked   | No cmds to drive 80 blocked                      |  |
|                 | AM-05                            | No cmds to drive 81 blocked   | No 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                            |  |
|                 | AM-11                            | 0 Commands return fail  | 0 Commands return fail                           |  |
| Analysis:       | SWB-11 Expected results achieved |   |  |  |

| Case SWB-12 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         |  |  |  |
|-----------------|---|--|--|--|
| 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:      | Mon Sep 22 15:09:20 2003  |  |  |  |
| Test PC:        | AndWife   |  |  |  |
| Test Software:  | SWBT 1.0  |  |  |  |
| Hard Drives     | Drive 80, label 64 is a WDC WD64AA with 12594960 sectors                |  |  |  |
| Used:           |   |  |  |  |
| Commands        | Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]                |  |  |  |
| executed:       | tally13<br>hdl5 S0  |  |  |  |
|                 | test-hdl SWB-12 AndWife JRL c 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 (09/22/03 at 15:09:13) Going TSR                                    |  |  |  |
|                 | ***** Install HDL Log *****   |  |  |  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997     |  |  |  |
|                 | 1 Hard-Disks reported by Int_13h  |  |  |  |
|                 | Hard-Disk 0 Locked!   |  |  |  |
|                 | H-D Write Lock successfully installed.                                  |  |  |  |
|                 | ***** Test Harness Log *****  |  |  |  |
|                 | CMD: A:\TEST-HDL.EXE SWB-12 AndWife JRL c 64                            |  |  |  |
|                 | Case: SWB-12  |  |  |  |
|                 | Command set: Control  |  |  |  |
|                 | Date: Mon Sep 22 15:09:20 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: AndWife   |  |  |  |
|                 | Number of drives 1, Drives: 64  |  |  |  |
|                 | Case Cmd Drv Action Stat Cry Count Cmd Name                             |  |  |  |
|                 | 0 SWB-12 <00> 80 Allowed 0000 Off 1 Reset                               |  |  |  |
|                 | 1 SWB-12 <0C> 80 Allowed 0000 Off 1 SeekDrive                           |  |  |  |
|                 | 2 SWB-12 <0D> 80 Allowed 0000 Off 1 AltReset                            |  |  |  |
|                 | 3 SWB-12 <11> 80 Allowed 0000 Off 1 Recalibrate                         |  |  |  |
|                 | 4 SWB-12 <47> 80 Allowed 0000 Off 1 ExtendedSeek                        |  |  |  |
| Amount 2004     | 22 of 77 Test Decults for IDL V0.5                                      |  |  |  |

Test Results for HDL V0.5
| Case SWB-12 HDL | Hard-Dis    | (Int_13) Write Lock V0.5 971   | .202 (C)GKH 1993,1994,1997            |
|-----------------|-------------|--------------------------------|---------------------------------------|
|                 | Results for | SWB-12 category c on drive 80  | ) No commands blocked (0 of 5)        |
|                 | Summary: 5  | sent, 0 blocked, 5 not blocked | 1                                     |
|                 |             |                                |                                       |
|                 |             |                                |                                       |
| Results:        | Assertion   | Expected Results               | Actual Results                        |
|                 | AM-05       | No cmds to drive 80 blocked    | No cmds to drive 80 blocked           |
|                 | AM-07       | Tool active message            | Tool active message                   |
|                 | AM-08       | 1 drives identified            | 1 drives identified                   |
|                 | AM-09       | Drive 80 is protected          | Drive 80 is protected                 |
|                 | AM-10       | 0 Commands return success      | 0 Commands return success             |
| Analysis:       | SWB-12 Expe | cted results achieved          | · · · · · · · · · · · · · · · · · · · |

| Case SWB-13 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                           |
|-----------------|---|
| 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:    | Blive   |
| Test Date:      | Thu Sep 25 13:34:55 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 8A is a WDC WD200EB-00CSF0 with 39102336 sectors                          |
|                 | Drive 82, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors                    |
| a 1             | 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   |
|                 | hdl5 13   |
|                 | test-hdl SWB-13 Rumpole Blive w 6F 8A E4 2B   |
| Ten Tile        | Shutdown Test PC<br>***** Monitor Execution *****   |
| Log File        |   |
| Highlights:     | Monitor BIOS interrupt 13h (disk service)   |
|                 | tally13 compiled on 07/29/03 at 07:33:17<br>@(#) Version 1.1 Created 07/29/03 at 07:28:05 |
|                 | Now $(09/25/03 \text{ at } 13:34:53)$ Going TSR   |
|                 | ***** Install HDL Log *****   |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                       |
|                 | 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!   |
|                 | H-D Write Lock successfully installed.  |
|                 | ***** Test Harness Log *****  |
|                 | CMD: A:\TEST-HDL.EXE SWB-13 Rumpole Blive w 6F 8A E4 2B                                   |
|                 | Case: SWB-13  |
|                 | Command set: Write  |
|                 | Date: Thu Sep 25 13:34:55 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: Blive   |
|                 | Host: Rumpole   |
|                 | Number of drives 4, Drives: 6F 8A E4 2B   |
|                 | Case Cmd Drv Action Stat Cry Count Cmd Name   |
|                 | 0 SWB-13 <03> 80 Allowed 0000 Off 1 WriteSectors  |
|                 | C PUP 12 (02) 00 VIIOMED 0000 OIL I MIICEPECCOIP  |

| Case SWB-13 HDI | Hard-Disk   | k (Int_13) Write Lock V0.5 9712   | 202 (C)GKH 1993,1994,1997  |
|-----------------|---|---|--|
|                 | 1 SWB-13  | <0B> 80 Allowed 0000 Off 1  | WriteLong  |
|                 | 2 SWB-13  | <43> 80 Allowed 0000 Off 1  | ExtWrite   |
|                 |   | SWB-13 category w on drive 80   |  |
|                 | 0 SWB-13  | <03> 81 Blocked 0300 On 0   | WriteSectors   |
|                 | 1 SWB-13  | <0B> 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  |  |
|                 |   | <ob> 82 Allowed 0000 Off 1</ob>   | -  |
|                 |   | <43> 82 Allowed 0000 Off 1  |  |
|                 |   | SWB-13 category w on drive 82   |  |
|                 |   | <03> 83 Blocked 0300 On 0   |  |
|                 |   | <0B> 83 Blocked 0300 On 0   | -  |
|                 |   | <43> 83 Blocked 0300 On 0   |  |
|                 |   |   |  |
|                 |   |   | All commands blocked (3 of 3)  |
|                 |   | SWB-13 category w on drive 83 sent, 6 blocked, 6 not blocked  |  |
|                 |   |   |  |
| Results:        |   |   |  |
| Results:        | Summary: 12   | sent, 6 blocked, 6 not blocked  | 1  |
| Results:        | Summary: 12   | sent, 6 blocked, 6 not blocked  | Actual Results   |
| Results:        | Summary: 12 Assertion AM-07   | sent, 6 blocked, 6 not blocked<br>Expected Results<br>Tool active message   | Actual Results Tool active message   |
| Results:        | Summary: 12<br>Assertion<br>AM-07<br>AM-08  | sent, 6 blocked, 6 not blocked<br>Expected Results<br>Tool active message<br>4 drives identified  | Actual Results<br>Tool active message<br>4 drives identified   |
| Results:        | Summary: 12<br>Assertion<br>AM-07<br>AM-08<br>AM-09   | sent, 6 blocked, 6 not blocked<br>Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected   | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected  |
| Results:        | Summary: 12<br>Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09  | sent, 6 blocked, 6 not blocked<br>Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected  | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected   |
| Results:        | Summary: 12<br>Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09                            | sent, 6 blocked, 6 not blocked<br>Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected   | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected  |
| Results:        | Summary: 12<br>Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09                   | sent, 6 blocked, 6 not blocked<br>Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is protected  | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is protected<br>6 Commands return fail   |
| Results:        | Summary: 12<br>Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-11          | sent, 6 blocked, 6 not blocked<br>Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is protected<br>6 Commands return fail                                      | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is protected<br>6 Commands return fail   |
| Results:        | Summary: 12<br>Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-11<br>AO-01 | sent, 6 blocked, 6 not blocked<br>Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is protected<br>6 Commands return fail<br>All cmds to drive 81 blocked      | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is protected<br>6 Commands return fail<br>All cmds to drive 81 blocked                                 |
| Results:        | Summary: 12<br>Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-11<br>AO-01<br>AO-01 | sent, 6 blocked, 6 not blocked<br>Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 83 is protected<br>6 Commands return fail<br>All cmds to drive 81 blocked<br>All cmds to drive 83 blocked | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is protected<br>6 Commands return fail<br>All cmds to drive 81 blocked<br>All cmds to drive 83 blocked |

| Case SWB-14 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                 |
|-----------------|---|
| 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-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:    | Blive   |
| Test Date:      | Thu Sep 25 13:37:55 2003  |
| Test PC:        | Rumpole   |
| Test Software:  | SWBT 1.0  |
| Hard Drives     | Drive 80,   |
| Used:           | Drive 81, label 6F is a Maxtor 6Y060L0 with 120103200 sectors                   |
|                 | Drive 82, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors                |
|                 | Drive 83, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors          |
|                 | Drive 84, 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   |
|                 | hdl5 S01  |
|                 | test-hdl SWB-14 Rumpole Blive w 13 6F 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 (09/25/03 at 13:37:52) Going TSR  |

| Case SWB-14 HDL Hard-Disk (Tnt_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         ****** Install HDL Log *****         HDL Hard-Disk (Tnt_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         4 Hard-Disk 1 Locked1         Hard-Disk 1 Locked1         Hard-Disk 2 Not Locked1         Hard-Disk 3 Not Locked1         Hard-Disk 3 Not Locked1         Hard-Disk 1 Locked1         Hard-Disk 2 Not Locked1         Hard-Disk 3 Not Locked1         Hard-Disk 1 Not Locked1         Hard-Disk 2 Not Locked1         Hard-Disk 3 Not Locked1         Hard-Disk 2 Not Locked1         Hard-Disk 3 Not Locked1         Hard-Disk 2 Not Locked1         Hard-Disk 2 Not Locked1         Hard-Disk 3 Not Locked1         Hard-Disk 3 Not Locked1         How 3 (Tree Not Not Locked1         Hard-Disk 4 Not Locked1         Case: SWB-14 (Command set: Write         Date: Thu Sep 25 13:37:55 2003         Version: e(#) bedefs.h Version 1.2 Created 08/31/03 at 08:18:19         Compiled on Aug 31 2003 at 08:10:54         Operator: Blive         Houber of drives 5, Drives: 13 6F 8A E4 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SNB-14 <03> 80 Blocked 0000 off 0 WriteLong         2 SNB-14 <43> 80 Blocked 0000 off 0 WriteLong <th>Case SWB-14 HDL</th> <th>Hand Diel</th> <th><math>(T_{\rm T} + 12)</math> White Test 10 F 0712</th> <th>0.2 (0) 02 1002 1004 1007</th>  | Case SWB-14 HDL | Hand Diel   | $(T_{\rm T} + 12)$ White Test 10 F 0712  | 0.2 (0) 02 1002 1004 1007   |
|---|-----------------|---|--|---|
| HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997<br>4 Hard-Disks reported by Int_13h<br>Hard-Disk 1 Locked!<br>Hard-Disk 2 Not Locked!<br>Hard-Disk 3 Not Locked!<br>Hard-Disk 3 Not Locked!<br>Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:VTEST-HDL.EXE SWB-14 Rumpole Blive w 13 6F 8A E4 2B<br>Case: SWB-14<br>Command set: Write<br>Date: Thu Sep 25 13:37:55 2003<br>Version: @(#) test-hal.opp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/21/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: Blive<br>Host: Rumpole<br>Number of drives 5, Drives: 13 6F 8A E4 2B<br>Case CMD Vr Action Stat Cry Count Cmd Name<br>0 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 81 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 83 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 84 Allowed 0000 Off 1 WriteSectors<br>2 SWB-14 <43> 84 Allowed 0000 Off 1 WriteSectors<br>2 SWB-14 <43> 84 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 84 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 84 Allowed 0000 Off 1 Writ |                 |   |  | 02 (C)GKH 1993,1994,1997  |
| 4 Hard-Disk 0 Locked!         Hard-Disk 1 Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 3 Not Locked!         Hard-Disk 3 Not Locked!         H-D Write Lock successfully installed.         ****** Test Harness Log ******         CMD: A:TEST-HDL.EXE SWB-14 Rumpole Blive w 13 6F 8A E4 2B         Case: SWB-14         Command set: Write         Date: Thu Sep 25 13:37:55 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51         @(#) wb-defs.h Version 1.2 Created 08/23/03 at 08:18:19         Compiled on Aug 31 2003 at 08:10:54         Operator: Blive         Host: Rumpole         Number of drives 5, Drives: 13 6F 8A E4 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-14 <03> 80 Blocked 0000 Off 0 WriteScors         1 SWB-14 <03> 80 Blocked 0000 Off 0 WriteScors         1 SWB-14 <03> 81 Blocked 0000 Off 0 WriteLong         2 SWB-14 <43> 81 Blocked 0000 Off 1 WriteScors         1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteScors         1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteScors         1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteScors         1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteScors         1 SWB-14 <03> 83 Allowed 0000 Off 1 WriteScors         1 SWB-14 <03> 83 Allowed 0000 Off 1 WriteScors         1 SWB-14 <03   |                 |   | 3  | 071202 (C) CMU 1002 1004 1007   |
| Hard-Disk 0Locked!<br>Hard-Disk 1Hard-Disk 1Locked!<br>Hard-Disk 3Hard-Disk 2Not Locked!<br>Hard-Disk 3H-D Write Lock successfully installed.***** Test Harness Log *****<br>CMD: A:TEST-HBL.EXE SWB-14 Rumpole Blive w 13 6F 8A E4 2B<br>Case: SWB-14Command set: Write<br>Date: Thu Sep 25 13:37:55 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54Operator: Blive<br>Host: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2B<br>Case Cmd Dzv Action Stat Cry Count Cmd Name<br>0 SWB-14 <03> 80 Blocked 0000 Off 0<br>WriteSectors1 SWB-14 <03> 80 Blocked 0000 Off 0<br>0 WriteSectors1 SWB-14 <03> 81 Blocked 0000 Off 0<br>0 WriteSectors1 SWB-14 <03> 82 Allowed 0000 Off 1<br>0 WriteSectors1 SWB-14 <03> 82 Allowed 0000 Off 1<br>0 WriteSectors1 SWB-14 <03> 82 Allowed 0000 Off 1<br>0 SWB-14 <03> 83 Allowed 0000 Off 1<br>0 SWB-14 <03> 83 Allowed 0000 Off 1<br>0 SWB-14 <03> 84 Allowed 0000 Off 1<br>0 WriteSectors2 SWB-14 <43> 83 Allowed 0000 Off 1<br>0 SWB-14 <03> 84 Allowed 0000 Off 1<br>0 WriteSectors1 SWB-14 <03> 84 Allowed 0000 Off 1<br>0 SWB-14 <03> 84 Allowed 0000 Off 1<br>0 SWB-14 <03> 84 Allowed 0000 Off 1<br>0 WriteSectors1 SWB-14 <03> 84 Allowed 0000 Off 1<br>0 SWB-14 <03> 84 Allowed 0000 Off 1<br>0 WriteSectors1 SWB-14 <03> 84 Allowed 0000 Off 1<br>0 SWB-14 <03> 84 Allowed 0000 Off 1<br>0 WriteSectors1 SWB-   |                 |   |  | 9/1202 (C)GRH 1993,1994,1997  |
| Hard-Disk 1Locked!<br>Hard-Disk 2 Not Locked!<br>Hard-Disk 3 Not Locked!<br>Case: SWB-14<br>Command set: Write<br>Date: Thu Sep 25 13:37:55 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) Wo-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: Blive<br>Host: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2B<br>Case Cm Drv Action Stat Cry Count Cmd Name<br>0 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 81 Blocked 0000 Off 0 ExtWrite<br>Results for SWB-14 category won drive 80 All commands blocked (3 of 3)<br>0 SWB-14 <03> 81 Blocked 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 83 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 83 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 83 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 84 Allowed 0000 Off 1 WriteSectors<br>   |                 |   |  |   |
| Hard-Disk 2 Not Locked!<br>Hard-Disk 3 Not Locked!<br>Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.****** Test Harness Log *****<br>CMD: A'\TEST-HBL.EXE SWB-14 Rumpole Blive w 13 6F 8A E4 2B<br>Case: SWB-14<br>Command set: Write<br>Date: Thu Sep 25 13:37:55 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 06:18:19<br>Compiled on Aug 31 2003 at 08:10:54Operator: Blive<br>Host: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 81 Blocked 0000 Off 0 ExtWrite<br>Results for SWB-14 category w on drive 80 All commands blocked (3 of 3)<br>0 SWB-14 <03> 81 Blocked 0000 Off 0 ExtWrite<br>Results for SWB-14 category w on drive 81 All commands blocked (3 of 3)<br>0 SWB-14 <03> 82 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 83 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 84 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <0   |                 |   |  |   |
| Hard-Disk 3 Not Locked!         H-D Write Lock successfully installed.         ****** Test Harness Log *****         CMD: A:\TEST-HDL.EXE SWB-14 Rumpole Blive w 13 6F 8A E4 2B         Case: SWB-14         Command set: Write         Date: Thu Sep 25 13:37:55 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: Blive         Host: Rumpole         Number of drives 5, Drives: 13 6F 8A E4 2B         Case Comd Drv Action Stat Cry Count Cmd Name         0 SWB-14 <03> 80 Blocked 0000 Off         0 SWB-14 <03> 81 Blocked 0000 off         0 SWB-14 <03> 81 Blocked 0000 off         0 SWB-14 <03> 82 Allowed 0000 off         0 SWB-14 <03> 82 Allowed 0000 off         0 SWB-14 <03> 82 Allowed 0000 off         1 SWB-14 <03> 83 Allowed 0   |                 |   |  |   |
| H-D Write Lock successfully installed.         ***** Test Harness Log *****         CMD: A:\TEST-HDL.EXE SWB-14 Rumpole Blive w 13 6F 8A E4 2B         Case: SWB-14         Command set: Write         Date: Thu Sep 25 13:37:55 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51   |                 |   |  |   |
| ***********************************   |                 |   |  | lod   |
| CMD: A:\TEST-HDL.EXE SWB-14 Rumpole Blive w 13 6F 8A E4 2B<br>Case: SWB-14<br>Command set: Write<br>Date: Thu Sep 25 13:37:55 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54Operator: Blive<br>Host: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 Off 0 ExtWrite<br>Results for SWB-14 category w on drive 80 All commands blocked (3 of 3)<br>0 SWB-14 <03> 81 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 81 Blocked 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 82 Allowed 0000 Off 1 WriteLong<br>2 SWB-14 <03> 82 Allowed 0000 Off 1 WriteLong<br>2 SWB-14 <03> 83 Allowed 0000 Off 1 WriteLong<br>2 SWB-14 <03> 83 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <03> 84 Allowed 0000 Off 1 WriteSectors<br>1 SWB-  |                 |   |  | ieu.  |
| Case: SWB-14<br>Command set: Write<br>Date: Thu Sep 25 13:37:55 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54Operator: Blive<br>Host: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-14 <03> 80 Blocked 0000 Off<br>0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 Off<br>0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 Off<br>0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 Off<br>0 WriteLong<br>2 SWB-14 <43> 80 Blocked 0000 Off<br>0 WriteLong<br>2 SWB-14 <03> 81 Blocked 0000 Off<br>0 WriteSectors<br>1 SWB-14 <03> 81 Blocked 0000 Off<br>0 ExtWrite<br>Results for SWB-14 category w on drive 80 All commands blocked (3 of 3)<br>0 SWB-14 <03> 81 Blocked 0000 Off<br>0 ExtWrite<br>Results for SWB-14 category w on drive 81 All commands blocked (3 of 3)<br>0 SWB-14 <03> 82 Allowed 0000 Off<br>1 WriteSectors<br>1 SWB-14 <08> 82 Allowed 0000 Off<br>1 SWTiteSectors<br>1 SWB-14 <08> 83 Allowed 0000 Off<br>2 SWB-14 <03> 83 Allowed 0000 Off<br>1 WriteLong<br>2 SWB-14 <03> 83 Allowed 0000 Off<br>1 WriteSectors<br>1 SWB-14 <03> 84 Allowed 0000 Off<br>1 WriteSectors<br>1 SWB-14 <08> 84 Allowed 0000 Off<br>2 SWB-14 <08> 84 Allowed 0000 Off<br>2 SWB-14 <08> 84 Allowed 0000 Off<br>1 WriteSectors<br>1 SWB-14 <08> 84 Allowed 0000 Off<br>1 WriteSectors<br>1 SWB-14 <08> 84 Allowed 0000 Off<br>2 SWB-14 <08> 84 Allowed 0000 Off<br>2 SWB-14 <08> 84 Allowed 0000 Off<br>2 SWB-14 <08> 84 Allowed 0000 Off<br>1 WriteSectors<br>1 SWB-14 <08> 84 Allowed 0000 Off<br>1 WriteSectors<br>1 SWB-14 <08> 84 Allowed 0000 Off<br>1 WriteSecto  |                 |   |  | 12 6E 97 E4 9D  |
| Command set: Write<br>Date: Thu Sep 25 13:37:55 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/31/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54Operator: Blive<br>Host: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-14 <03> 80 Blocked 0000 Off 0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 off 0 WriteSectors<br>1 SWB-14 <03> 80 Blocked 0000 off 0 WriteSectors<br>1 SWB-14 <03> 81 Blocked 0000 off 0 ExtWrite<br>Results for SWB-14 category w on drive 81 All commands blocked (3 of 3)<br>0 SWB-14 <03> 82 Allowed 0000 off 1 WriteSectors<br>1 SWB-14 <03> 82 Allowed 0000 off 1 WriteSectors<br>1 SWB-14 <03> 83 Allowed 0000 off 1 WriteSectors<br>1 SWB-14 <03> 84 Al  |                 |   |  | W IS OF OA E4 2B  |
| Date: Thu Sep 25 13:37:55 2003Version: @(#) wb-defs.h Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54Operator: BliveHost: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name0 SWB-14 <03> 80 Blocked 0000 Off0 SWB-14 <03> 80 Blocked 0000 Off2 SWB-14 <43> 80 Blocked 0000 Off0 SWB-14 <03> 81 Blocked 0000 Off1 SWB-14 <03> 81 Blocked 0000 Off0 SWB-14 <03> 81 Blocked 0000 Off1 SWB-14 <03> 81 Blocked 0000 Off1 SWB-14 <03> 81 Blocked 0000 Off2 SWB-14 <43> 81 Blocked 0000 Off1 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <03> 83 Allowed 0000 Off0 SWB-14 <03> 83 Allowed 0000 Off1 SWB-14 <03> 83 Allowed 0000 Off0 SWB-14 <03> 83 Allowed 0000 Off1 SWB-14 <03> 83 Allowed 0000 Off0 SWB-14 <03> 83 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off2 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off2 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off2 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off2 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off2 SWB-14 <03> 84 Allowed 0000 Off   |                 |   |  |   |
| 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: Blive         Host: Rumpole         Number of drives 5, Drives: 13 6F 8A E4 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWE-14 <03> 80 Blocked 0000 Off       0 WriteSectors         1 SWE-14 <03> 80 Blocked 0000 Off       0 WriteSectors         2 SWB-14 <43> 80 Blocked 0000 Off       0 WriteSectors         1 SWE-14 <03> 80 Blocked 0000 Off       0 WriteSectors         1 SWE-14 <03> 80 Blocked 0000 Off       0 WriteSectors         1 SWE-14 <03> 81 Blocked 0000 Off       0 WriteSectors         1 SWE-14 <03> 81 Blocked 0000 Off       1 WriteSectors         1 SWE-14 <03> 82 Allowed 0000 Off       1 WriteSectors         1 SWE-14 <03> 82 Allowed 0000 Off       1 WriteSectors         1 SWE-14 <03> 82 Allowed 0000 Off       1 WriteSectors         1 SWE-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWE-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWE-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWE-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWE-14 <03> 84 Allowed 0000 Off       1 WriteSectors         1 SWE-14 <03> 84 Allowed 0000   |                 |   |  |   |
| @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54         Operator: Blive         Host: Rumpole         Number of drives 5, Drives: 13 6F 8A E4 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-14 <03> 80 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 80 Blocked 0000 Off       0 WriteSectors         2 SWB-14 <03> 80 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 80 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 81 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 81 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 81 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 82 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 82 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 82 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 84 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 84 Allowed 0000 Off       1 WriteSectors  |                 | Date: Inu St  | ep 25 13.37.55 2005  |   |
| @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54         Operator: Blive         Host: Rumpole         Number of drives 5, Drives: 13 6F 8A E4 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-14 <03> 80 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 80 Blocked 0000 Off       0 WriteSectors         2 SWB-14 <03> 80 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 80 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 81 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 81 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 81 Blocked 0000 Off       0 WriteSectors         1 SWB-14 <03> 82 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 82 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 82 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 83 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 84 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <03> 84 Allowed 0000 Off       1 WriteSectors  |                 | Version: @(   | #) test-hdl cop Version 1 1 Cre  | ated 08/23/03 at 10:13:51   |
| Compiled on Aug 31 2003 at 08:10:54Operator: BliveHost: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWE-14 <03> 80 Blocked 0000 Off0 WriteSectors1 SWB-14 <08> 80 Blocked 0000 Off0 WriteSectors1 SWB-14 <08> 80 Blocked 0000 Off0 WriteSectors1 SWB-14 <08> 81 Blocked 0000 Off0 WriteSectors1 SWB-14 <08> 82 Allowed 0000 Off1 WriteSectors1 SWB-14 <03> 83 Allowed 0000 Off1 WriteSectors1 SWB-14 <03> 84 Allowed 0000 Off1 WriteSectors1 SWB-14 <03  |                 |   |  |   |
| Operator: Blive<br>Host: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWE-14 <03> 80 Blocked 0000 Off0 SWE-14 <03> 80 Blocked 0000 Off0 WriteLong<br>2 SWE-14 <43> 80 Blocked 0000 Off2 SWE-14 <43> 80 Blocked 0000 Off0 ExtWriteResults for SWE-14 category w on drive 80 All commands blocked (3 of 3)<br>0 SWE-14 <03> 81 Blocked 0000 Off0 WriteSectors<br>1 SWE-14 <03> 81 Blocked 0000 Off2 SWE-14 <43> 81 Blocked 0000 Off0 WriteLong<br>   |                 | ,   |  |   |
| Host: RumpoleNumber of drives 5, Drives: 13 6F 8A E4 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-14 <03> 80 Blocked 0000 0ff0 SWB-14 <03> 80 Blocked 0000 0ff0 SWB-14 <43> 80 Blocked 0000 0ff0 SWB-14 <43> 80 Blocked 0000 0ff0 SWB-14 <43> 80 Blocked 0000 0ff0 SWB-14 <03> 81 Blocked 0000 0ff0 SWB-14 <03> 81 Blocked 0000 0ff0 SWB-14 <03> 81 Blocked 0000 0ff0 SWB-14 <43> 81 Blocked 0000 0ff1 SWB-14 <03> 82 Allowed 0000 0ff0 SWB-14 <03> 82 Allowed 0000 0ff1 SWB-14 <03> 83 Allowed 0000 0ff0 SWB-14 <03> 83 Allowed 0000 0ff1 SWB-14 <03> 83 Allowed 0000 0ff1 SWB-14 <03> 83 Allowed 0000 0ff0 SWB-14 <03> 84 Allowed 0000 0ff1 SWB-14 <03> 84 Allowed 0000 0ff1 SWB-14 <03> 84 Allowed 0000 0ff2 SWB-14 <43> 83 Allowed 0000 0ff1 SWB-14 <03> 84 Allowed 0000 0ff1 SWB-14 <03> 84 Allowed 0000 0ff2 SWB-14 <43> 84 Allowed 0000 0ff1 SWB-14 <03> 84 Allowed 0000 0ff1 SWB-14 <03> 84 Allowed 0000 0ff1 SWB-14 <03> 84 Allowed 0000 0ff2 SWB-14 <43> 84 Allowed 0000 0ff2 SWB-14 <43> 84 Allowed 0000 0ff1 SWB-14 <05> 84 Allowed 0000 0ff1 SWB-14 <05> 84 Allowed 0000 0ff2 SWB-14 <43> 84 Allowed 0000 0ff2 SWB-14 <05> 84 Allowed 0000 0ff3 SWB-14 <05> 84 Allowed 0000 0ff3 SWB-14 <05> 84 Allowed 0000 0ff4 SWB-14 <05> 84 Allowed 0000 0ff <th></th> <th>-</th> <th>-</th> <th>-</th>  |                 | -   | -  | -   |
| Number of drives 5, Drives: 13 6F 8A E4 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-14 <03> 80 Blocked 0000 Off1 SWB-14 <0B> 80 Blocked 0000 Off2 SWB-14 <43> 80 Blocked 0000 Off0 SWB-14 <03> 81 Blocked 0000 Off0 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <03> 82 Allowed 0000 Off2 SWB-14 <43> 81 Allowed 0000 Off1 SWB-14 <03> 83 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off2 SWB-14 <43> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off2 SWB-14 <43> 84 Allowed 0000 Off2 SWB-14 <43> 84 Allowed 0000 Off3 Summary: 15 sent, 6 blocked, 9 not blocked8Actual ResultsAssertion Expected ResultsActual ResultsAm-07 Tool active messageAm-08 5 drives identifiedAm-09 Drive 80 is protectedDrive 80 is protected  |                 | -   |  |   |
| Case Cmd Drv Action Stat Cry Count Cmd Name0 SWB-14 <03> 80 Blocked 0000 Off0 WriteSectors1 SWB-14 <03> 80 Blocked 0000 Off0 WriteLong2 SWB-14 <43> 80 Blocked 0000 Off0 ExtWriteResults for SWB-14 category w on drive 80 All commands blocked (3 of 3)0 SWB-14 <03> 81 Blocked 0000 Off0 SWB-14 <03> 81 Blocked 0000 Off0 WriteSectors1 SWB-14 <03> 81 Blocked 0000 Off0 WriteSectors2 SWB-14 <43> 81 Blocked 0000 Off0 ExtWriteResults for SWB-14 category w on drive 81 All commands blocked (3 of 3)0 SWB-14 <03> 82 Allowed 0000 Off1 WriteSectors1 SWB-14 <08> 82 Allowed 0000 Off1 WriteSectors1 SWB-14 <03> 82 Allowed 0000 Off1 WriteSectors1 SWB-14 <03> 83 Allowed 0000 Off1 WriteSectors1 SWB-14 <08> 84 Allowed 0000 Off1 WriteSectors2 SWB-14 <43> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 84 Allowed 0000 Off1 WriteSectors1 SWB-14 <08> 84 Allowed 0000 Off1 WriteSectors1 SWB-14 <08> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 84 Allowed 0000 Off1 WriteSectors1 SWB-14 <08> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 84 Allowed 0000 Off1 ExtWrite <th></th> <th>-</th> <th></th> <th>3</th>  |                 | -   |  | 3   |
| 0SWB-14 <03> 80Blocked 0000 off0WriteSectors1SWB-14 <0B> 80Blocked 0000 off0WriteLong2SWB-14 <43> 80Blocked 0000 off0ExtWriteResults for SWB-14 category w on drive 80All commands blocked (3 of 3)0SWB-14 <03> 81Blocked 0000 off02SWB-14 <03> 81Blocked 0000 off02SWB-14 <03> 81Blocked 0000 off02SWB-14 <03> 81Blocked 0000 off02SWB-14 <03> 81Blocked 0000 off10SWB-14 <03> 82Allowed 0000 off10SWB-14 <03> 82Allowed 0000 off10SWB-14 <03> 82Allowed 0000 off10SWB-14 <03> 82Allowed 0000 off12SWB-14 <03> 83Allowed 0000 off13SWB-14 <03> 84Allowed 0000 off14SWB-14 <03> 84Allowed 0000 off15SWB-14 <03> 84Allowed 0000 off16SWB-14 <03> 84Allowed 0000 off17SWB-14 <03> 84Allowed 0000 off18SWB-14 <03> 84Allowed 0000 off19SWB-14 <03> 84Allowed 0000 off11SWB-14 <03> 84  |                 |   |  |   |
| 1SWB-14 <0B> 80Blocked 0000 Off0WriteLong2SWB-14 <43> 80Blocked 0000 Off0ExtWriteResults for SWB-14 category w on drive 80All commands blocked (3 of 3)0SWB-14 <03> 81Blocked 0000 Off01SWB-14 <0B> 81Blocked 0000 Off02SWB-14 <43> 81Blocked 0000 Off02SWB-14 <43> 81Blocked 0000 Off02SWB-14 <43> 81Blocked 0000 Off00SWB-14 <0B> 82Allowed 0000 Off10SWB-14 <0B> 82Allowed 0000 Off11SWB-14 <0B> 82Allowed 0000 Off12SWB-14 <43> 82Allowed 0000 Off12SWB-14 <43> 82Allowed 0000 Off10SWB-14 <03> 83Allowed 0000 Off10SWB-14 <03> 83Allowed 0000 Off10SWB-14 <03> 83Allowed 0000 Off11SWB-14 <43> 83Allowed 0000 Off12SWB-14 <43> 83Allowed 0000 Off12SWB-14 <43> 84Allowed 0000 Off12SWB-14 <43> 84Allowed 0000 Off13SWB-14 <43> 84Allowed 0000 Off14SWB-14 <43> 84Allowed 0000 Off15SWB-14 <43> 84Allowed 0000 Off16SWB-14 <43> 84Allowed 0000 Off17SWB-14 <43> 84Allowed 0000 Off18SWB-14 <5SetActual Res  |                 |   |  |   |
| 2 SWB-14 <43> 80 Blocked 0000 Off0 ExtWriteResults for SWB-14 category w on drive 80 All commands blocked (3 of 3)0 SWB-14 <03> 81 Blocked 0000 Off1 SWB-14 <03> 81 Blocked 0000 Off0 SWB-14 <43> 81 Blocked 0000 Off0 SWB-14 <43> 81 Blocked 0000 Off0 SWB-14 <03> 82 Allowed 0000 Off0 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <03> 82 Allowed 0000 Off2 SWB-14 <43> 82 Allowed 0000 Off2 SWB-14 <03> 83 Allowed 0000 Off0 SWB-14 <03> 83 Allowed 0000 Off1 SWB-14 <03> 83 Allowed 0000 Off0 SWB-14 <03> 83 Allowed 0000 Off1 SWB-14 <03> 83 Allowed 0000 Off0 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <43> 84 Allowed 0000 Off2 SWB-14 <43> 84 Allowed 0000 Off3 Summary: 15 sent, 6 blocked, 9 not blocked4 Co f 3)3 Summary: 15 sent, 6 blocked, 9 not blocked4 M-077 Tool active messageAm-08 5 drives identified4 drives identifiedAm-094 drives 0 is protectedAm-094 Drive 80 is protected   |                 |   |  |   |
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| 0SWB-14 <03> 81 Blocked 0000 Off0WriteSectors1SWB-14 <0B> 81 Blocked 0000 Off0WriteLong2SWB-14 <43> 81 Blocked 0000 Off0ExtWriteResults for SWB-14 category w on drive 81 All commands blocked (3 of 3)0SWB-14 <03> 82 Allowed 0000 Off10SWB-14 <03> 82 Allowed 0000 Off1WriteSectors1SWB-14 <03> 82 Allowed 0000 Off1WriteLong2SWB-14 <43> 82 Allowed 0000 Off1ExtWriteResults for SWB-14 category w on drive 82 No commands blocked (0 of 3)0SWB-14 <03> 83 Allowed 0000 Off0SWB-14 <03> 83 Allowed 0000 Off1WriteSectors1SWB-14 <08> 83 Allowed 0000 Off1WriteSectors1SWB-14 <08> 83 Allowed 0000 Off1WriteSectors1SWB-14 <43> 83 Allowed 0000 Off1WriteSectors1SWB-14 <43> 83 Allowed 0000 Off1WriteSectors1SWB-14 <43> 84 Allowed 0000 Off1WriteSectors1SWB-14 <08> 84 Allowed 0000 Off1WriteLong2SWB-14 <43> 84 Allowed 0000 Off1WriteLong2SWB-14 <43> 84 Allowed 0000 Off1ExtWriteResults for SWB-14 category w on drive 84 No commands blocked (0 of 3)0SWB-14 <43> 84 Allowed 0000 Off12SWB-14 <43> 85Actual ResultsAm-07Tool active messageTool active messageAm-085 drives identified4 drives identifiedAm-09Drive 80 is protected </th <th></th> <th></th> <th></th> <th></th>  |                 |   |  |   |
| 1 SWB-14 <0B> 81 Blocked 0000 Off0 WriteLong2 SWB-14 <43> 81 Blocked 0000 Off0 ExtWriteResults for SWB-14 category w on drive 81 All commands blocked (3 of 3)0 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <0B> 82 Allowed 0000 Off2 SWB-14 <43> 82 Allowed 0000 Off2 SWB-14 <43> 82 Allowed 0000 Off2 SWB-14 <43> 82 Allowed 0000 Off1 SWB-14 <0B> 83 Allowed 0000 Off0 SWB-14 <0B> 83 Allowed 0000 Off1 SWB-14 <0B> 83 Allowed 0000 Off1 SWB-14 <43> 83 Allowed 0000 Off1 SWB-14 <0B> 83 Allowed 0000 Off1 SWB-14 <43> 83 Allowed 0000 Off1 SWB-14 <43> 84 Allowed 0000 Off2 SWB-14 <03> 84 Allowed 0000 Off0 SWB-14 <03> 84 Allowed 0000 Off0 SWB-14 <03> 84 Allowed 0000 Off0 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <0B> 84 Allowed 0000 Off1 SWB-14 <0B> 84 Allowed 0000 Off2 SWB-14 <43> 84 Allowed 0000 Off3 SWB-14 <03> 84 Allowed 0000 Off3 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off2 SWB-14 <43> 84 Allowed 0000 Off3 SWB-14 <03> 84 Allowed 0000 Off3 SWB-14 <03> 84 Allowed 0000 Off4 SWB-14 <03> 84 Allowed 0000 Off3 SWB-14 <03> 84 Allowed 0000 Off4 SWB-14 <03> 84 Allowed 0000 Off4 SWB-14 <03> 84 Allowed 0000 Off4 SWB-14 <03> 84 Allowed 0000 Off5 SWB-14 <03> 9  |                 |   |  |   |
| 2 SWB-14 <43> 81 Blocked 0000 Off0 ExtWriteResults for SWB-14 category w on drive 81 All commands blocked (3 of 3)0 SWB-14 <03> 82 Allowed 0000 Off1 SWB-14 <08> 82 Allowed 0000 Off2 SWB-14 <43> 82 Allowed 0000 Off2 SWB-14 <43> 82 Allowed 0000 Off2 SWB-14 <03> 83 Allowed 0000 Off0 SWB-14 <03> 83 Allowed 0000 Off0 SWB-14 <03> 83 Allowed 0000 Off1 WriteSectors1 SWB-14 <08> 83 Allowed 0000 Off1 SWB-14 <08> 83 Allowed 0000 Off2 SWB-14 <43> 84 Allowed 0000 Off0 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <03> 84 Allowed 0000 Off2 SWB-14 <43> 84 Allowed 0000 Off3 Summary: 15 sent, 6 blocked, 9 not blocked8 An-077 Tool active message7 Tool active message7 Tool active message7 M-083 drives identified4 drives identified7 M-097 Drive 80 is protected80 is protected  |                 |   |  |   |
| Results for SWB-14 category w on drive 81 All commands blocked (3 of 3)0 SWB-14 <03> 82 Allowed 0000 Off1 WriteSectors1 SWB-14 <0B> 82 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 82 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 82 No commands blocked (0 of 3)0 SWB-14 <03> 83 Allowed 0000 Off0 SWB-14 <03> 83 Allowed 0000 Off1 WriteSectors1 SWB-14 <03> 83 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 83 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 83 No commands blocked (0 of 3)0 SWB-14 <03> 84 Allowed 0000 Off1 WriteSectors1 SWB-14 <03> 84 Allowed 0000 Off1 WriteSectors1 SWB-14 <03> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 84 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 84 No commands blocked (0 of 3)0 SWB-14 <43> 84 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 84 No commands blocked (0 of 3)Summary: 15 sent, 6 blocked, 9 not blockedM-07Tool active messageM-085 drives identifiedA-09Drive 80 is protectedDrive 80 is protected  |                 |   |  | 5   |
| 0SWB-14<03> 82Allowed 0000 Off1WriteSectors1SWB-14<0B> 82Allowed 0000 Off1WriteLong2SWB-14<43> 82Allowed 0000 Off1ExtWriteResults for SWB-14category w on drive 82No commands blocked (0 of 3)0SWB-14<03> 83Allowed 0000 Off1WriteSectors1SWB-14<03> 83Allowed 0000 Off1SWB-14<03> 83Allowed 0000 Off12SWB-14<03> 84Allowed 0000 Off12SWB-14<03> 84Allowed 0000 Off12SWB-14<03> 84Allowed 0000 Off10SWB-14<03> 84Allowed 0000 Off11SWB-14<03> 84Allowed 0000 Off12SWB-14<03> 84Allowed 0000 Off1 </th <th></th> <th>Results for</th> <th>SWB-14 category w on drive 81</th> <th>All commands blocked (3 of 3)</th>  |                 | Results for   | SWB-14 category w on drive 81  | All commands blocked (3 of 3)   |
| 2 SWB-14 <43> 82 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 82 No commands blocked (0 of 3)0 SWB-14 <03> 83 Allowed 0000 Off1 WriteSectors1 SWB-14 <0B> 83 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 83 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 83 No commands blocked (0 of 3)0 SWB-14 <03> 84 Allowed 0000 Off1 SWB-14 <08> 84 Allowed 0000 Off1 SWB-14 <08> 84 Allowed 0000 Off1 SWB-14 <08> 84 Allowed 0000 Off2 SWB-14 <43> 84 Allowed 0000 Off3 Summary: 15 sent, 6 blocked, 9 not blocked8 Results:AssertionAssertionExpected ResultsActual ResultsM-07Tool active messageM-085 drives identifiedAm-09Drive 80 is protectedDrive 80 is protected  |                 |   |  |   |
| Results for SWB-14 category w on drive 82 No commands blocked (0 of 3)<br>0 SWB-14 <03> 83 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <0B> 83 Allowed 0000 Off 1 WriteLong<br>2 SWB-14 <43> 83 Allowed 0000 Off 1 ExtWrite<br>Results for SWB-14 category w on drive 83 No commands blocked (0 of 3)<br>0 SWB-14 <03> 84 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <0B> 84 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <0B> 84 Allowed 0000 Off 1 WriteSectors<br>2 SWB-14 <43> 84 Allowed 0000 Off 1 ExtWrite<br>Results for SWB-14 category w on drive 84 No commands blocked (0 of 3)<br>2 SWB-14 <43> 84 Allowed 0000 Off 1 ExtWrite<br>Results for SWB-14 category w on drive 84 No commands blocked (0 of 3)<br>Summary: 15 sent, 6 blocked, 9 not blockedResults:AssertionExpected Results<br>Actual ResultsAm-07Tool active message<br>Immediate Interime<br>Am-08Tool active message<br>Immediate Interime<br>Tool active messageMm-09Drive 80 is protectedDrive 80 is protected  |                 | 1 SWB-14  | <0B> 82 Allowed 0000 Off 1   | WriteLong   |
| 0 SWB-14 <03> 83 Allowed 0000 Off1 WriteSectors1 SWB-14 <0B> 83 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 83 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 83 No commands blocked (0 of 3)0 SWB-14 <03> 84 Allowed 0000 Off1 WriteSectors1 SWB-14 <0B> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <03> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <0B> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 84 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 84 No commands blocked (0 of 3)Summary: 15 sent, 6 blocked, 9 not blockedResults:AssertionAssertionExpected ResultsActual ResultsAm-07Tool active messageAm-085 drives identifiedAm-09Drive 80 is protectedDrive 80 is protected   |                 | 2 SWB-14  | <43> 82 Allowed 0000 Off 1   | ExtWrite  |
| 1 SWB-14 <0B> 83 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 83 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 83 No commands blocked (0 of 3)0 SWB-14 <03> 84 Allowed 0000 Off1 WriteSectors1 SWB-14 <0B> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <0B> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <0B> 84 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 84 No commands blocked (0 of 3)Summary: 15 sent, 6 blocked, 9 not blockedResults:AssertionAssertionExpected ResultsActual ResultsAM-07Tool active messageTool active messageAM-085 drives identifiedAM-09Drive 80 is protectedDrive 80 is protected   |                 | Results for   | SWB-14 category w on drive 82  | No commands blocked (0 of 3)  |
| 2 SWB-14 <43> 83 Allowed 0000 Off       1 ExtWrite         Results for SWB-14 category w on drive 83 No commands blocked (0 of 3)       0 SWB-14 <03> 84 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <0b> 84 Allowed 0000 Off       1 WriteLong       2 SWB-14 <43> 84 Allowed 0000 Off       1 WriteLong         2 SWB-14 <43> 84 Allowed 0000 Off       1 ExtWrite         Results for SWB-14 category w on drive 84 No commands blocked (0 of 3)         Summary: 15 sent, 6 blocked, 9 not blocked         Results:       Assertion         Expected Results       Actual Results         AM-07       Tool active message         Am-08       5 drives identified       4 drives identified         Am-09       Drive 80 is protected       Drive 80 is protected  |                 | 0 SWB-14  | <03> 83 Allowed 0000 Off 1   | WriteSectors  |
| Results for SWB-14 category w on drive 83 No commands blocked (0 of 3)<br>0 SWB-14 <03> 84 Allowed 0000 Off 1 WriteSectors<br>1 SWB-14 <0B> 84 Allowed 0000 Off 1 WriteLong<br>2 SWB-14 <43> 84 Allowed 0000 Off 1 ExtWrite<br>Results for SWB-14 category w on drive 84 No commands blocked (0 of 3)<br>Summary: 15 sent, 6 blocked, 9 not blockedResults:AssertionExpected Results<br>Actual ResultsAm-07Tool active message<br>ImmediationAm-085 drives identified<br>ImmediationAm-09Drive 80 is protectedDrive 80 is protectedDrive 80 is protected  |                 | 1 SWB-14  | <ob> 83 Allowed 0000 Off 1</ob>  | WriteLong   |
| 0 SWB-14 <03> 84 Allowed 0000 Off       1 WriteSectors         1 SWB-14 <0B> 84 Allowed 0000 Off       1 WriteLong         2 SWB-14 <43> 84 Allowed 0000 Off       1 ExtWrite         Results for SWB-14 category w on drive 84 No commands blocked (0 of 3)         Summary: 15 sent, 6 blocked, 9 not blocked         Results:         Assertion       Expected Results         AM-07       Tool active message         AM-08       5 drives identified         AM-09       Drive 80 is protected   |                 | 2 SWB-14  | <43> 83 Allowed 0000 Off 1   | ExtWrite  |
| 1 SWB-14 <0B> 84 Allowed 0000 Off1 WriteLong2 SWB-14 <43> 84 Allowed 0000 Off1 ExtWriteResults for SWB-14 category w on drive 84 No commands blocked (0 of 3)Summary: 15 sent, 6 blocked, 9 not blockedResults:AssertionAssertionExpected ResultsAM-07Tool active messageAM-085 drives identifiedAM-09Drive 80 is protectedDrive 80 is protected  |                 | Results for   | SWB-14 category w on drive 83  | No commands blocked (0 of 3)  |
| 2 SWB-14 <43> 84 Allowed 0000 Off       1 ExtWrite         Results for SWB-14 category w on drive 84 No commands blocked (0 of 3)         Summary: 15 sent, 6 blocked, 9 not blocked         Results:       Assertion         Expected Results       Actual Results         AM-07       Tool active message         AM-08       5 drives identified         AM-09       Drive 80 is protected   |                 | 0 SWB-14  | <03> 84 Allowed 0000 Off 1   | WriteSectors  |
| Results for SWB-14 category w on drive 84 No commands blocked (0 of 3)         Summary: 15 sent, 6 blocked, 9 not blocked         Results:         Assertion       Expected Results         AM-07       Tool active message         AM-08       5 drives identified         AM-09       Drive 80 is protected   |                 | 1 SWB-14  | <ob> 84 Allowed 0000 Off 1</ob>  | WriteLong   |
| Results: Assertion Expected Results Actual Results<br>Actual Results<br>An-07 Tool active message Tool active message<br>An-08 5 drives identified 4 drives identified<br>An-09 Drive 80 is protected Drive 80 is protected   |                 | 2 SWB-14 ·  | <43> 84 Allowed 0000 Off 1   | ExtWrite  |
| Results:       Assertion       Expected Results       Actual Results         AM-07       Tool active message       Tool active message         AM-08       5 drives identified       4 drives identified         AM-09       Drive 80 is protected       Drive 80 is protected  |                 | Results for   | SWB-14 category w on drive 84  | No commands blocked (0 of 3)  |
| AM-07Tool active messageTool active messageAM-085 drives identified4 drives identifiedAM-09Drive 80 is protectedDrive 80 is protected   |                 | Summary: 15   | sent, 6 blocked, 9 not blocked   | 1   |
| AM-07Tool active messageTool active messageAM-085 drives identified4 drives identifiedAM-09Drive 80 is protectedDrive 80 is protected   |                 |   |  |   |
| AM-07Tool active messageTool active messageAM-085 drives identified4 drives identifiedAM-09Drive 80 is protectedDrive 80 is protected   | Decultat        | 3   | Errorated Derults  | Jetual Desults  |
| AM-085 drives identified4 drives identifiedAM-09Drive 80 is protectedDrive 80 is protected  | RESULLS.        |   |  |   |
| AM-09 Drive 80 is protected Drive 80 is protected   |                 |   | -  |   |
|   |                 | AM-UO   |  |   |
|   |                 |   | Drive 00 is protosted  | Drive 90 is pretected   |
|   |                 | AM-09   |  |   |
|   |                 | AM-09<br>AM-09  | Drive 81 is protected  | Drive 81 is protected   |
|   |                 | AM-09<br>AM-09<br>AM-09   | Drive 81 is protected<br>Drive 82 is unprotected   | Drive 81 is protected<br>Drive 82 is unprotected  |
|   |                 | AM-09<br>AM-09<br>AM-09<br>AM-09  | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected  | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected   |
|   |                 | AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-10  | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success   | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success  |
|   |                 | AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-10<br>AO-01   | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success<br>All cmds to drive 80 blocked   | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success<br>All cmds to drive 80 blocked  |
|   |                 | AM-09           AM-09           AM-09           AM-09           AM-01           AO-01                                 | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success<br>All cmds to drive 80 blocked<br>All cmds to drive 81 blocked   | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success<br>All cmds to drive 80 blocked<br>All cmds to drive 81 blocked                                |
|   |                 | AM-09           AM-09           AM-09           AM-09           AM-01           AO-01           AO-01           AO-07 | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success<br>All cmds to drive 80 blocked<br>All cmds to drive 81 blocked<br>No cmds to drive 82 blocked                                | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success<br>All cmds to drive 80 blocked<br>All cmds to drive 81 blocked<br>No cmds to drive 82 blocked |
| Analysis: SWB-14 Expected results achieved  |                 | AM-09           AM-09           AM-09           AM-09           AM-01           AO-01           AO-07                 | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success<br>All cmds to drive 80 blocked<br>All cmds to drive 81 blocked<br>No cmds to drive 82 blocked<br>No cmds to drive 83 blocked | Drive 81 is protected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>6 Commands return success<br>All cmds to drive 80 blocked<br>All cmds to drive 81 blocked                                |

| Case SWB-15 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997           |
|-----------------|---|
| Case summary:   | SWB-15 Install all drives, configure return code to failure, protect with |
|                 | pattern first, 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-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.   |

| Case SWB-15 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|-----------------|--|
|                 | 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:    | Blive  |
| Test Date:      | Thu Sep 25 13:40:54 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 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  |
|                 | hdl5 0   |
|                 | test-hdl SWB-15 Rumpole Blive x 6F 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 (09/25/03 at 13:40:52) Going TSR   |
|                 | ***** Install HDL Log *****  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                                      |
|                 | 4 Hard-Disks reported by Int_13h<br>Hard-Disk 0 Locked!  |
|                 | Hard-Disk 1 Not. Locked!   |
|                 | Hard-Disk 1 Not Locked!<br>Hard-Disk 2 Not Locked!   |
|                 | Hard-Disk 3 Not Locked!  |
|                 | H-D Write Lock successfully installed.   |
|                 | ***** Test Harness Log *****   |
|                 | CMD: A:\TEST-HDL.EXE SWB-15 Rumpole Blive x 6F 8A E4 2B  |
|                 | Case: SWB-15   |
|                 | Command set: Configure   |
|                 | Date: Thu Sep 25 13:40:54 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: Blive  |
|                 | Host: Rumpole  |
|                 | Number of drives 4, Drives: 6F 8A E4 2B  |
|                 | 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 0 FormatBadSectors  |
|                 | 2 SWB-15 <07> 80 Blocked 0300 On 0 FormatCyl   |
|                 | 3 SWB-15 <09> 80 Allowed 0000 Off 1 InitDriveParms   |
|                 | 4 SWB-15 <0E> 80 Allowed 0000 Off 1 DiagnosticESDI   |
|                 | 5 SWB-15 <0F> 80 Blocked 0300 On 0 DiagnosticESDI  |
|                 | 6 SWB-15 <12> 80 Allowed 0000 Off 1 DiagnosticRAM  |
|                 | 7 SWB-15 <13> 80 Blocked 0300 On 0 DiagnosticDrive   |
|                 | 8 SWB-15 <14> 80 Allowed 0000 Off 1 DiagnosticCTL  |
|                 | Results for SWB-15 category x on drive 80 Not all commands blocked (5 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  |
|                 | 3 SWB-15 <09> 81 Allowed 0000 Off 1 InitDriveParms   |
|                 | 4 SWB-15 <0E> 81 Allowed 0000 Off 1 DiagnosticESDI<br>5 SWB-15 <0F> 81 Allowed 0000 Off 1 DiagnosticESDI |
|                 | 5 SWB-15 <0F> 81 Allowed 0000 Off 1 DiagnosticESDI<br>6 SWB-15 <12> 81 Allowed 0000 Off 1 DiagnosticRAM  |
|                 | 7 SWB-15 <12> 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 <06> 82 Allowed 0000 Off 1 FormatBadSectors   |
|                 | 2 SWB-15 <07> 82 Allowed 0000 Off 1 FormatCyl  |
|                 | 3 SWB-15 <09> 82 Allowed 0000 Off 1 InitDriveParms   |
|                 | 4 SWB-15 <0E> 82 Allowed 0000 Off 1 DiagnosticESDI   |
|                 | 5 SWB-15 <of> 82 Allowed 0000 Off 1 DiagnosticESDI</of>  |
|                 | I STATE TO THE TRANSPORTED DE  |

| Case SWB-15 HDL | Hard-Disk  | <pre>x (Int_13) Write Lock V0.5 971</pre>  | 202 (C)GKH 1993,1994,1997   |
|-----------------|--|--|---|
|                 | 6 SWB-15   | <12> 82 Allowed 0000 Off   | l DiagnosticRAM   |
|                 | 7 SWB-15   | <13> 82 Allowed 0000 Off   | l DiagnosticDrive   |
|                 | 8 SWB-15   | <14> 82 Allowed 0000 Off   | l DiagnosticCTL   |
|                 | Results for  | SWB-15 category x on drive 82  | 2 No commands blocked (0 of 9)  |
|                 | 0 SWB-15   | <05> 83 Allowed 0000 Off   | l FormatTrack   |
|                 |  |  | 1 FormatBadSectors  |
|                 | 2 SWB-15   | <07> 83 Allowed 0000 Off   | l FormatCyl   |
|                 | 3 SWB-15   | <09> 83 Allowed 0000 Off   | l InitDriveParms  |
|                 | 4 SWB-15   | <oe> 83 Allowed 0000 Off 1</oe>  | l DiagnosticESDI  |
|                 | 5 SWB-15   | <of> 83 Allowed 0000 Off</of>  | l DiagnosticESDI  |
|                 |  |  | l DiagnosticRAM   |
|                 | 7 SWB-15   | <13> 83 Allowed 0000 Off   | l DiagnosticDrive   |
|                 | 8 SWB-15   | <14> 83 Allowed 0000 Off   | l DiagnosticCTL   |
|                 | Results for  | SWB-15 category x on drive 83  | 3 No commands blocked (0 of 9)  |
|                 | Summary: 36  | sent, 5 blocked, 31 not block  | red   |
|                 |  | 50m0, 5 2100m0a, 51 mot 2100.  | icu   |
|                 |  | 2010, 2 2100104, 21 100 2100   |   |
|                 |  |  |   |
| Results:        | Assertion  | Expected Results   | Actual Results  |
| Results:        | Assertion<br>AM-07   | Expected Results<br>Tool active message  | Actual Results<br>Tool active message   |
| Results:        | Assertion<br>AM-07<br>AM-08  | Expected Results<br>Tool active message<br>4 drives identified   | Actual Results<br>Tool active message<br>4 drives identified  |
| Results:        | Assertion<br>AM-07<br>AM-08<br>AM-09   | Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected  | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected   |
| Results:        | Assertion<br>AM-07<br>AM-08  | Expected Results<br>Tool active message<br>4 drives identified   | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected  |
| Results:        | Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09  | Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected  | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected   |
| Results:        | Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09  | Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected   | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected  |
| Results:        | Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09  | Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected  | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected   |
| Results:        | Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09                                     | Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected   | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected  |
| Results:        | Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-11<br>AO-02                   | Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>5 Commands return fail<br>All cmds to drive 80<br>blocked                                | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>5 Commands return fail<br>Not all cmds to drive 80<br>blocked   |
| Results:        | Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-11                            | Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>5 Commands return fail<br>All cmds to drive 80   | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>5 Commands return fail<br>Not all cmds to drive 80  |
| Results:        | Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-11<br>AO-02<br>AO-07<br>AO-07 | Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>5 Commands return fail<br>All cmds to drive 80<br>blocked                                | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>5 Commands return fail<br>Not all cmds to drive 80<br>blocked<br>No cmds to drive 81 blocked<br>No cmds to drive 82 blocked |
| Results:        | Assertion<br>AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-11<br>AO-02<br>AO-07          | Expected Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>5 Commands return fail<br>All cmds to drive 80<br>blocked<br>No cmds to drive 81 blocked | Actual Results<br>Tool active message<br>4 drives identified<br>Drive 80 is protected<br>Drive 81 is unprotected<br>Drive 82 is unprotected<br>Drive 83 is unprotected<br>5 Commands return fail<br>Not all cmds to drive 80<br>blocked<br>No cmds to drive 81 blocked                                |

| Case SWB-16 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                            |
|-----------------|--|
| 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-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:    | Blive  |
| Test Date:      | Thu Sep 25 13:43:16 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 8A is a WDC WD200EB-00CSF0 with 39102336 sectors                           |
| Usea.           | 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  |
| executeu.       | hdl5 S2  |
|                 | test-hdl SWB-16 Rumpole Blive x 6F 8A E4 2B  |
|                 | Shutdown Test PC   |
| Log File        | ***** Monitor Execution *****  |
| Highlights:     | Monitor BLOS 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 (09/25/03 at 13:43:13) Going TSR   |
|                 | ***** Install HDL Log *****  |

| Case SWB-16 HDL | Hard-Disk      | (Int_13) Write Lock V0.5 97  | 71202 (C)GKH 1993.1994.1997           |
|-----------------|----------------|--|---------------------------------------|
|                 |                |  | .5 971202 (C)GKH 1993,1994,1997       |
|                 |                | rd-Disks reported by Int_13h   | · · · · · · · · · · · · · · · · · · · |
|                 |                | -Disk 0 Not Locked!  |                                       |
|                 | Hard           | -Disk 1 Not Locked!  |                                       |
|                 | Hard           | -Disk 2 Locked!  |                                       |
|                 | Hard           | -Disk 3 Not Locked!  |                                       |
|                 | H-D            | Write Lock successfully insta  | alled.                                |
|                 | ***** Test 1   | Harness Log *****  |                                       |
|                 | CMD: A:\TES    | T-HDL.EXE SWB-16 Rumpole Bliv  | ve x 6F 8A E4 2B                      |
|                 | Case: SWB-1    | б  |                                       |
|                 | Command set    | : Configure  |                                       |
|                 | Date: Thu S    | ep 25 13:43:16 2003  |                                       |
|                 |                |  |                                       |
|                 |                | #) test-hdl.cpp Version 1.1 (  |                                       |
|                 |                | wb-defs.h Version 1.2 Creat  |                                       |
|                 | -              | oiled on Aug 31 2003 at 08:10  | :54                                   |
|                 | Operator: B    |  |                                       |
|                 | Host: Rumpo    |  |                                       |
|                 |                | rives 4, Drives: 6F 8A E4 2B   |                                       |
|                 |                | Cmd Drv Action Stat Cry Cou  |                                       |
|                 |                | <05> 80 Allowed 0000 Off   | 1 FormatTrack                         |
|                 |                | <06> 80 Allowed 0000 Off   | 1 FormatBadSectors                    |
|                 |                | <07> 80 Allowed 0000 Off   | 1 FormatCyl                           |
|                 |                | <09> 80 Allowed 0000 Off   | 1 InitDriveParms                      |
|                 |                | <0E> 80 Allowed 0000 Off   | 1 DiagnosticESDI                      |
|                 |                | <of> 80 Allowed 0000 Off</of>  | 1 DiagnosticESDI                      |
|                 |                | <12> 80 Allowed 0000 Off<br><13> 80 Allowed 0000 Off                                 | 1 DiagnosticRAM                       |
|                 |                | <13> 80 Allowed 0000 Off<br><14> 80 Allowed 0000 Off                                 | 1 DiagnosticDrive<br>1 DiagnosticCTL  |
|                 |                |  | 80 No commands blocked (0 of 9)       |
|                 |                | <05> 81 Allowed 0000 Off   | 1 FormatTrack                         |
|                 |                | <06> 81 Allowed 0000 Off   | 1 FormatBadSectors                    |
|                 |                | <07> 81 Allowed 0000 Off   | 1 FormatCyl                           |
|                 |                | <09> 81 Allowed 0000 Off   | 1 InitDriveParms                      |
|                 |                | <0E> 81 Allowed 0000 Off   | 1 DiagnosticESDI                      |
|                 |                | <pre>&lt;0F&gt; 81 Allowed 0000 Off</pre>  | 1 DiagnosticESDI                      |
|                 |                | <12> 81 Allowed 0000 Off   | 1 DiagnosticRAM                       |
|                 |                | <13> 81 Allowed 0000 Off   | 1 DiagnosticDrive                     |
|                 | 8 SWB-16       | <14> 81 Allowed 0000 Off   | 1 DiagnosticCTL                       |
|                 | Results for    | SWB-16 category x on drive   | 81 No commands blocked (0 of 9)       |
|                 | 0 SWB-16       | <05> 82 Blocked 0000 Off   | 0 FormatTrack                         |
|                 | 1 SWB-16       | <06> 82 Blocked 0000 Off   | 0 FormatBadSectors                    |
|                 | 2 SWB-16       | <07> 82 Blocked 0000 Off   | 0 FormatCyl                           |
|                 |                | <09> 82 Allowed 0000 Off   | 1 InitDriveParms                      |
|                 |                | <oe> 82 Allowed 0000 Off</oe>  | 1 DiagnosticESDI                      |
|                 |                | <of> 82 Blocked 0000 Off</of>  | 0 DiagnosticESDI                      |
|                 |                | <12> 82 Allowed 0000 Off   | 1 DiagnosticRAM                       |
|                 |                | <13> 82 Blocked 0000 Off   | 0 DiagnosticDrive                     |
|                 |                | <14> 82 Allowed 0000 Off   |                                       |
|                 |                | SWB-16 category x on drive   | 82 Not all commands blocked (5 of     |
|                 | 9)<br>0 CWD 16 | CEN 82 Allowed 0000 off  |                                       |
|                 |                | <05> 83 Allowed 0000 Off   | 1 FormatTrack                         |
|                 |                | <06> 83 Allowed 0000 Off   | 1 FormatBadSectors                    |
|                 |                | <07> 83 Allowed 0000 Off<br><09> 83 Allowed 0000 Off                                 | 1 FormatCyl<br>1 InitDriveParms       |
|                 |                | <09> 83 Allowed 0000 Off<br><0E> 83 Allowed 0000 Off                                 | 1 InitDriveParms<br>1 DiagnosticESDI  |
|                 |                | <pre>&lt;0E&gt; 83 Allowed 0000 Oll </pre> <pre>&lt;0F&gt; 83 Allowed 0000 Off</pre> | 1 DiagnosticESDI                      |
|                 |                | <12> 83 Allowed 0000 Off   | 1 DiagnosticRAM                       |
|                 |                | <13> 83 Allowed 0000 Off   | 1 DiagnosticDrive                     |
|                 |                | <14> 83 Allowed 0000 Off   | 1 DiagnosticCTL                       |
|                 |                |  | 83 No commands blocked (0 of 9)       |
|                 |                | sent, 5 blocked, 31 not block  |                                       |
|                 |                |  |                                       |
|                 |                |  |                                       |
| 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 unprotected  | Drive 83 is unprotected               |
|                 | AM-10          | 5 Commands return success  | 5 Commands return success             |
|                 |                | 29 of 77   |                                       |

| Case SWB-16 HDL | Hard-Dis    | (Int_13) Write Lock V0.5 971  | 202 (C)GKH 1993,1994,1997   |
|-----------------|-------------|-------------------------------|-----------------------------|
|                 | AO-02       | All cmds to drive 82          | Not 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 81 blocked   | No cmds to drive 81 blocked |
|                 | AO-07       | No cmds to drive 83 blocked   | No cmds to drive 83 blocked |
| Analysis:       | SWB-16 Expe | cted results not achieved for | assertions: AO-02           |

| Case SWB-17 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|-----------------|---|
| Case summary:   | SWB-17 Install all drives, configure return code to failure, protect 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-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:    | Blive   |
| Test Date:      | Thu Sep 25 13:45:19 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 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   |
|                 | hdl5 1  |
|                 | test-hdl SWB-17 Rumpole Blive m 6F 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 (09/25/03 at 13:45:17) Going TSR  |
|                 | ***** Install HDL Log *****   |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|                 | 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!   |
|                 | Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.   |
|                 | Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****   |
|                 | Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B  |
|                 | Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br>Case: SWB-17  |
|                 | Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br>Case: SWB-17<br>Command set: Misc   |
|                 | Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br>Case: SWB-17  |
|                 | Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br>Case: SWB-17<br>Command set: Misc<br>Date: Thu Sep 25 13:45:19 2003   |
|                 | Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br>Case: SWB-17<br>Command set: Misc<br>Date: Thu Sep 25 13:45:19 2003<br>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51  |
|                 | Hard-Disk 3 Not Locked!<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br>Case: SWB-17<br>Command set: Misc<br>Date: Thu Sep 25 13:45:19 2003<br>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19   |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54</pre>  |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: Blive</pre>  |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: Blive<br/>Host: Rumpole</pre>  |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: Blive<br/>Host: Rumpole<br/>Number of drives 4, Drives: 6F 8A E4 2B</pre>  |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: Blive<br/>Host: Rumpole<br/>Number of drives 4, Drives: 6F 8A E4 2B<br/>Case Cmd Drv Action Stat Cry Count Cmd Name</pre>  |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: Blive<br/>Host: Rumpole<br/>Number of drives 4, Drives: 6F 8A E4 2B<br/>Case Cmd Drv Action Stat Cry Count Cmd Name<br/>0 SWB-17 &lt;16&gt; 80 Allowed 0000 Off 1 Undefined</pre>      |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: Blive<br/>Host: Rumpole<br/>Number of drives 4, Drives: 6F 8A E4 2B<br/>Case Cmd Drv Action Stat Cry Count Cmd Name</pre>  |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: Blive<br/>Host: Rumpole<br/>Number of drives 4, Drives: 6F 8A E4 2B<br/>Case Cmd Drv Action Stat Cry Count Cmd Name<br/>0 SWB-17 &lt;16&gt; 80 Allowed 0000 Off 1 Undefined<br/></pre> |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: Blive<br/>Host: Rumpole<br/>Number of drives 4, Drives: 6F 8A E4 2B<br/>Case Cmd Drv Action Stat Cry Count Cmd Name<br/>0 SWB-17 &lt;16&gt; 80 Allowed 0000 Off 1 Undefined</pre>      |
|                 | <pre>Hard-Disk 3 Not Locked!<br/>H-D Write Lock successfully installed.<br/>***** Test Harness Log *****<br/>CMD: A:\TEST-HDL.EXE SWB-17 Rumpole Blive m 6F 8A E4 2B<br/>Case: SWB-17<br/>Command set: Misc<br/>Date: Thu Sep 25 13:45:19 2003<br/>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: Blive<br/>Host: Rumpole<br/>Number of drives 4, Drives: 6F 8A E4 2B<br/>Case Cmd Drv Action Stat Cry Count Cmd Name<br/>0 SWB-17 &lt;16&gt; 80 Allowed 0000 Off 1 Undefined<br/></pre> |

| Case SWB-17 HDL | Hard-Disk   | (Int_13) Write Lock V0.5 971  | .202 (C)GKH 1993,1994,1997                        |
|-----------------|---|---|---|
|                 |   |   |   |
|                 | •••   |   |   |
|                 |   | <fe> 80 Allowed 0000 Off</fe>   |   |
|                 |   | <ff> 80 Allowed 0000 Off</ff>   |   |
|                 |   | SWB-17 category m on drive 80<br><16> 81 Allowed 0000 Off               | ) No commands blocked (0 of 228)                  |
|                 |   |   | i onderined                                       |
|                 |   |   |   |
|                 | mi  | sc commands 17-FD results omit  | ted   |
|                 | se  | e log files for full results  |   |
|                 |   |   |   |
|                 | 226 SWB-17  | <fe> 81 Allowed 0000 Off</fe>   | l Undefined                                       |
|                 | 227 SWB-17  | <ff> 81 Allowed 0000 Off</ff>   | l Undefined                                       |
|                 |   | SWB-17 category m on drive 81   | l Not all commands blocked (2 of                  |
|                 | 228)<br>0 SWB-17  | <16> 82 Allowed 0000 Off  | Indefined   |
|                 |   |   |   |
|                 | mi  | sc commands 17-FD results omit  | ted   |
|                 | se  | e log files for full results  |   |
|                 |   | 2   |   |
|                 |   |   |   |
|                 | 226 SWB-17  | <fe> 82 Allowed 0000 Off</fe>   | l Undefined                                       |
|                 |   | <ff> 82 Allowed 0000 Off 1</ff>   |   |
|                 |   | <pre>SWB-17 category m on drive 82 &lt;16&gt; 83 Allowed 0000 Off</pre> | 2 No commands blocked (0 of 228)                  |
|                 |   |   |   |
|                 | misc commands 17-FD results omitted   |   |   |
|                 | see log files for full results  |   |   |
|                 |   |   |   |
|                 |   | •   |   |
|                 |   | <fe> 83 Allowed 0000 Off</fe>   |   |
|                 | 227 SWB-17 <ff> 83 Allowed 0000 Off 1 Undefined<br/>Results for SWB-17 category m on drive 83 No commands blocked (0 of 228)</ff> |   |   |
|                 | Results for SWB-17 category m on drive 83 No commands blocked (0 of 228)<br>Summary: 912 sent, 2 blocked, 910 not blocked         |   |   |
|                 |   |   |   |
| 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 protected   | Drive 81 is protected                             |
|                 | AM-09   | Drive 82 is unprotected<br>Drive 83 is unprotected                      | Drive 82 is unprotected                           |
|                 | AM-09<br>AM-11  | 2 Commands return fail  | Drive 83 is unprotected<br>2 Commands return fail |
|                 | AM-11<br>AO-03  | All cmds to drive 81  | Not all cmds to drive 81                          |
|                 |   | 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-17 Expe   | cted results not achieved for   | assertions: AO-03                                 |
|                 |   |   |   |

| Case SWB-18 HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997 |   |  |  |
|---|---|--|--|
| 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.  |  |  |

| Cago CWP-19 HDI | Hard-Dick (Int 12) Write Lock VO 5 971202 (C)CVH 1992 1994 1997   |
|-----------------|---|
| Case SWD=10 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|                 | 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:    | Blive   |
|                 |   |
| Test Date:      | Thu Sep 25 13:47:29 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 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   |
|                 | hd15 S012   |
|                 | test-hdl SWB-18 Rumpole Blive m 6F 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 (09/25/03 at 13:47:27) Going TSR  |
|                 | ***** Install HDL Log *****   |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|                 | 4 Hard-Disks reported by Int_13h  |
|                 | Hard-Disk 0 Locked!   |
|                 | Hard-Disk 1 Locked!   |
|                 | Hard-Disk 2 Locked!   |
|                 | Hard-Disk 3 Not Locked!   |
|                 | H-D Write Lock successfully installed.  |
|                 | ***** Test Harness Log *****  |
|                 | CMD: A:\TEST-HDL.EXE SWB-18 Rumpole Blive m 6F 8A E4 2B   |
|                 | Case: SWB-18  |
|                 | Command set: Misc   |
|                 |   |
|                 | Date: Thu Sep 25 13:47:29 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: Blive   |
|                 | Host: Rumpole   |
|                 | Number of drives 4, Drives: 6F 8A E4 2B   |
|                 | Case Cmd Drv Action Stat Cry Count Cmd Name   |
|                 | 0 SWB-18 <16> 80 Allowed 0000 Off 1 Undefined   |
|                 |   |
|                 |   |
|                 | misc commands 17-FD results omitted   |
|                 | goo log filog for full regults  |
|                 | see log files for full results  |
|                 |   |
|                 |   |
|                 | 226 SWB-18 <fe> 80 Allowed 0000 Off 1 Undefined</fe>  |
|                 | 226 SWB-18 <fe> 80 Allowed 0000 Off 1 Undefined<br/>227 SWB-18 <ff> 80 Allowed 0000 Off 1 Undefined</ff></fe> |
|                 |   |
|                 | Results for SWB-18 category m on drive 80 Not all commands blocked (2 of                                      |
|                 | 228)  |
|                 | 0 SWB-18 <16> 81 Allowed 0000 Off 1 Undefined   |
|                 |   |
|                 | miga gommonda 17 ED warwitte awitted  |
|                 | misc commands 17-FD results omitted   |
|                 | see log files for full results  |
|                 | DEE TOA TITED TOT TATT TEDATCD  |
|                 |   |
|                 |   |
|                 | 226 SWB-18 <fe> 81 Allowed 0000 Off 1 Undefined</fe>  |
|                 | 227 SWB-18 <ff> 81 Allowed 0000 Off 1 Undefined</ff>  |
| L               |   |

| Case SWB-18 HDI | L Hard-Disl | (Int_13) Write Lock V0.5 971                                    | 202 (C)GKH 1993,1994,1997           |
|-----------------|-------------|---|-------------------------------------|
|                 | Results for | SWB-18 category m on drive 81                                   | Not all commands blocked (2 of      |
|                 | 228)        |   |                                     |
|                 | 0 SWB-18    | <16> 82 Allowed 0000 Off 1                                      | Undefined                           |
|                 |             |   |                                     |
|                 | mi          | sc commands 17-FD results omit                                  | tod                                 |
|                 |             | se commands 17-FD results omit                                  | Lea                                 |
|                 | se          | e log files for full results                                    |                                     |
|                 |             |   |                                     |
|                 | 226 SWB-18  | <fe> 82 Allowed 0000 Off 1</fe>                                 | Undefined                           |
|                 |             | <pre><ff> 82 Allowed 0000 Off 1</ff></pre>                      |                                     |
|                 |             |   | Not all commands blocked (2 of      |
|                 | 228)        |   |                                     |
|                 | 0 SWB-18    | <16> 83 Allowed 0000 Off 1                                      | Undefined                           |
|                 |             |   |                                     |
|                 |             | sc commands 17-FD results omit                                  |                                     |
|                 | 1 11        | se commands 17-FD results omit                                  | llea                                |
|                 | se          | e log files for full results                                    |                                     |
|                 |             |   |                                     |
|                 |             |   |                                     |
|                 |             |   |                                     |
|                 |             | <fe> 83 Allowed 0000 Off 1</fe>                                 |                                     |
|                 |             | <ff> 83 Allowed 0000 Off 1</ff>                                 |                                     |
|                 |             | SWB-18 category m on drive 83<br>2 sent, 6 blocked, 906 not blo | 8 No commands blocked (0 of 228)    |
|                 | Summary. Ji | z sent, o biocked, 900 not bio                                  | Jekeu                               |
|                 |             |   |                                     |
| 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 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 unprotected   | Drive 83 is unprotected             |
|                 | AM-10       | 6 Commands return success                                       | 6 Commands return success           |
|                 | AO-03       | All cmds to drive 80  | Not all cmds to drive 80            |
|                 |             | blocked   | blocked                             |
|                 | AO-03       | All cmds to drive 81  | Not all cmds to drive 81            |
|                 | AO-03       | blocked<br>All cmds to drive 82                                 | blocked<br>Not all cmds to drive 82 |
|                 | AU-03       | blocked   | blocked                             |
|                 | 1.1         | DIGONOU   |                                     |
|                 | AO-07       | No emds to drive 83 blocked                                     | No emds to drive 83 blocked         |
| Analysis:       | AO-07       | No cmds to drive 83 blocked                                     | No cmds to drive 83 blocked         |
| Analysis:       |             | No cmds to drive 83 blocked cted results not achieved for       |                                     |
| -               | SWB-18 Expe |   | assertions: AO-03                   |

| Case SWB-19 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997           |
|-----------------|---|
| Case summary:   | SWB-19 Install all drives, configure return code to failure, protect with |
|                 | pattern last, 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:    | Blive   |
| Test Date:      | Thu Sep 25 13:50:38 2003  |
| Test PC:        | Rumpole   |
| Test Software:  | SWBT 1.0  |
| Hard Drives     | Drive 80, label 6F is a Maxtor 6Y060L0 with 120103200 sectors             |
|                 |   |

| Case SWB-19 HDL | Hard-Dis   | (Int_13) Write Lock V0.5 971   | 202 (C)GKH 1993,1994,1997         |
|-----------------|--|--------------------------------|-----------------------------------|
| 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   |                                | 2-TY092J with 17938985 sectors    |
|                 | Drive 83, 1  | abel 2B is a Quantum QM39100TI | D-SCA Drive with 17783249 sectors |
| Commands        |  | C to (DOS 7.1) Windows 98 [Ver |                                   |
| executed:       | tally13  |                                |                                   |
|                 | hdl5 3   |                                |                                   |
|                 |  | B-19 Rumpole Blive r 6F 8A E4  | 2B                                |
|                 | Shutdown Te  | _                              |                                   |
| Log File        | ***** Monit  | or Execution *****             |                                   |
| Highlights:     | Monitor BIO  | S interrupt 13h (disk service) | )                                 |
|                 | tally13 co   | mpiled on 07/29/03 at 07:33:1' | 7                                 |
|                 | @(#) Versio  | n 1.1 Created 07/29/03 at 07:2 | 28:05                             |
|                 | Now (09/25/  | 03 at 13:50:35) Going 5        | ſSR                               |
|                 | ***** Insta  | ll HDL Log ****                |                                   |
|                 | HDL Hard   | -Disk (Int_13) Write Lock V0.  | 5 971202 (C)GKH 1993,1994,1997    |
|                 | 4 Ha   | rd-Disks reported by Int_13h   |                                   |
|                 | Hard   | -Disk 0 Not Locked!            |                                   |
|                 | Hard   | -Disk 1 Not Locked!            |                                   |
|                 |  | -Disk 2 Not Locked!            |                                   |
|                 |  | -Disk 3 Locked!                |                                   |
|                 |  | Write Lock successfully insta  | lled.                             |
|                 |  | Harness Log ****               |                                   |
|                 |  | T-HDL.EXE SWB-19 Rumpole Blive | er 6F 8A E4 2B                    |
|                 | Case: SWB-1  |                                |                                   |
|                 | Command set  | : Read<br>ep 25 13:50:38 2003  |                                   |
|                 | Date. Inu S  | ep 25 13.50.38 2003            |                                   |
|                 | Version: @(  | #) test-hdl.cpp Version 1.1 C  | reated 08/23/03 at 10:13:51       |
|                 |  | wb-defs.h Version 1.2 Create   |                                   |
|                 | ,  | iled on Aug 31 2003 at 08:10:  |                                   |
|                 | Operator: B  | -                              |                                   |
|                 | Host: Rumpo  | le                             |                                   |
|                 | Number of drives 4, Drives: 6F 8A E4 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-19 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-19 <0A> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-19 <42> 80 Allowed 0000 Off 1 ExtRead<br>Results for SWB-19 category r on drive 80 No commands blocked (0 of 3)<br>0 SWB-19 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-19 <0A> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-19 <42> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-19 <42> 81 Allowed 0000 Off 1 ExtRead |                                |                                   |
|                 |  |                                |                                   |
|                 |  |                                |                                   |
|                 |  |                                |                                   |
|                 |  |                                |                                   |
|                 |  |                                |                                   |
|                 |  |                                |                                   |
|                 |  |                                |                                   |
|                 |  |                                |                                   |
|                 | Results for SWB-19 category r on drive 81 No commands blocked (0 of 3)<br>0 SWB-19 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-19 <0A> 82 Allowed 0000 Off 1 ReadLong  |                                |                                   |
|                 |  |                                |                                   |
|                 | 2 SWB-19 <42> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-19 <42> 82 Allowed 0000 Off 1 ExtRead  |                                |                                   |
|                 |  |                                |                                   |
|                 | Results for SWB-19 category r on drive 82 No commands blocked (0 of 3)0 SWB-19 <02> 83 Allowed 0000 Off1 ReadSectors1 SWB-19 <0A> 83 Allowed 0000 Off1 ReadLong2 SWB-19 <42> 83 Allowed 0000 Off1 ExtRead  |                                |                                   |
|                 |  |                                |                                   |
|                 |  |                                |                                   |
|                 | Results for SWB-19 category r on drive 83 No commands blocked (0 of 3)   |                                |                                   |
|                 | Summary: 12 sent, 0 blocked, 12 not blocked  |                                |                                   |
|                 |  |                                |                                   |
| - 1.            | <br>   |                                |                                   |
| 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       |
| Applareiet      | CWD 10 7   | atod woonlta ambienta          |                                   |
| Analysis:       | SWB-19 Expe  | cted results achieved          |                                   |

| Case SWB-20 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997           |
|-----------------|---|
| 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    |
| August 2004     | 42 of 77 Test Desults for HDL V0.5  |

|                         | Ward-Digk (Int 13) Write Lock V0 5 971909 (0) 000 1004 1007  |
|-------------------------|--|
|                         | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
| Tested:                 | indicating that the tool is active.<br>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:              | Sat Nov 08 12:06:46 2003   |
| Test PC:                | Rumpole  |
| Test Software:          | SWBT 1.0   |
| Hard Drives             | Drive 80, label F6 is an IBM-DTLA-307020 with 40188960 sectors   |
| Used:                   | Drive 81, label 64 is a WDC WD64AA with 12594960 sectors   |
|                         | Drive 82, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors  |
|                         | Drive 83, 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  |
|                         | hdl5 s013  |
|                         | test-hdl SWB-20 Rumpole JRL r F6 64 2B E4  |
|                         | Shutdown Test PC   |
| Log File<br>Highlights: | ***** Monitor Execution *****<br>Monitor BIOS interrupt 13h (disk service)   |
| HIGHLIGHLS.             | tally13 compiled on 07/29/03 at 07:33:17   |
|                         | @(#) Version 1.1 Created 07/29/03 at 07:28:05  |
|                         | Now (11/08/03 at 12:06:44) Going TSR   |
|                         | ***** Install HDL Log *****  |
|                         | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|                         | 4 Hard-Disks reported by Int_13h   |
|                         | Hard-Disk 0 Locked!  |
|                         | Hard-Disk 1 Locked!  |
|                         | Hard-Disk 2 Not Locked!  |
|                         | Hard-Disk 3 Locked!  |
|                         | H-D Write Lock successfully installed.   |
|                         | ***** Test Harness Log *****   |
|                         | CMD: A:\TEST-HDL.EXE SWB-20 Rumpole JRL r F6 64 2B E4<br>Case: SWB-20  |
|                         | Command set: Read  |
|                         | Date: Sat Nov 08 12:06:46 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: Rumpole  |
|                         | Number of drives 4, Drives: F6 64 2B E4  |
|                         | Case Cmd Drv Action Stat Cry Count Cmd Name  |
|                         | 0 SWB-20 <02> 80 Allowed 0000 Off 1 ReadSectors  |
|                         | 1 SWB-20 <0A> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-20 <42> 80 Allowed 0000 Off 1 ExtRead  |
|                         | Results for SWB-20 category r on drive 80 No commands blocked (0 of 3)   |
|                         | 0 SWB-20 <02> 81 Allowed 0000 Off 1 ReadSectors  |
|                         | 1 SWB-20 <0A> 81 Allowed 0000 Off 1 ReadLong   |
|                         | 5  |
|                         | 2 SWB-20 <42> 81 Allowed 0000 Off 1 ExtRead  |
|                         | Results for SWB-20 category r on drive 81 No commands blocked (0 of 3)   |
|                         |  |
|                         | Results for SWB-20 category r on drive 81 No commands blocked (0 of 3)   |
|                         | Results for SWB-20 category r on drive 81 No commands blocked (0 of 3)<br>0 SWB-20 <02> 82 Allowed 0000 Off 1 ReadSectors  |
|                         | Results for SWB-20 category r on drive 81 No commands blocked (0 of 3)<br>0 SWB-20 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-20 <0A> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-20 <42> 82 Allowed 0000 Off 1 ExtRead<br>Results for SWB-20 category r on drive 82 No commands blocked (0 of 3)   |
|                         | Results for SWB-20 category r on drive 81 No commands blocked (0 of 3)<br>0 SWB-20 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-20 <0A> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-20 <42> 82 Allowed 0000 Off 1 ExtRead<br>Results for SWB-20 category r on drive 82 No commands blocked (0 of 3)<br>0 SWB-20 <02> 83 Allowed 0000 Off 1 ReadSectors  |
|                         | Results for SWB-20 category r on drive 81 No commands blocked (0 of 3)<br>0 SWB-20 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-20 <0A> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-20 <42> 82 Allowed 0000 Off 1 ExtRead<br>Results for SWB-20 category r on drive 82 No commands blocked (0 of 3)<br>0 SWB-20 <02> 83 Allowed 0000 Off 1 ReadSectors<br>1 SWB-20 <0A> 83 Allowed 0000 Off 1 ReadLong  |
|                         | Results for SWB-20 category r on drive 81 No commands blocked (0 of 3)<br>0 SWB-20 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-20 <0A> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-20 <42> 82 Allowed 0000 Off 1 ExtRead<br>Results for SWB-20 category r on drive 82 No commands blocked (0 of 3)<br>0 SWB-20 <02> 83 Allowed 0000 Off 1 ReadSectors<br>1 SWB-20 <0A> 83 Allowed 0000 Off 1 ReadLong<br>2 SWB-20 <42> 83 Allowed 0000 Off 1 ReadLong<br>2 SWB-20 <42> 83 Allowed 0000 Off 1 ReadLong<br>2 SWB-20 <42> 83 Allowed 0000 Off 1 ExtRead |
|                         | Results for SWB-20 category r on drive 81 No commands blocked (0 of 3)<br>0 SWB-20 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-20 <0A> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-20 <42> 82 Allowed 0000 Off 1 ExtRead<br>Results for SWB-20 category r on drive 82 No commands blocked (0 of 3)<br>0 SWB-20 <02> 83 Allowed 0000 Off 1 ReadSectors<br>1 SWB-20 <0A> 83 Allowed 0000 Off 1 ReadLong  |

| Case SWB-20 HDL | Hard-Disk   | (Int_13) Write Lock V0.5 971 | 202 (C)GKH 1993,1994,1997             |
|-----------------|-------------|------------------------------|---------------------------------------|
|                 |             |                              |                                       |
| 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 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-09       | Drive 83 is protected        | Drive 83 is protected                 |
|                 | 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-04       | No cmds to drive 81 blocked  | No cmds to drive 81 blocked           |
|                 | AO-04       | No cmds to drive 83 blocked  | No cmds to drive 83 blocked           |
|                 | AO-07       | No cmds to drive 82 blocked  | No cmds to drive 82 blocked           |
| Analysis:       | SWB-20 Expe | cted results achieved        | · · · · · · · · · · · · · · · · · · · |

| Case SWB-21 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997           |
|-----------------|---|
| 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 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:      | Mon Sep 29 13:43:18 2003  |
| Test PC:        | McMillan  |
| 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          |
| 00000           | Drive 82, label 64 is a WDC WD64AA with 12594960 sectors                  |
|                 | Drive 83, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548      |
|                 | sectors   |
|                 | Drive 84, 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   |
|                 | hd15_234  |
|                 | test-hdl SWB-21 McMillan JRL i 90 8A 64 1F E4                             |
|                 | 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 (09/29/03 at 13:43:11) Going TSR                                      |
|                 | ***** Install HDL Log *****   |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997       |
|                 | 5 Hard-Disks reported by Int_13h  |
|                 | Hard-Disk 0 Not Locked!   |
|                 | Hard-Disk 1 Not Locked!   |
|                 | Hard-Disk 2 Locked!   |
|                 | Hard-Disk 3 Locked!   |
|                 | Hard-Disk 4 Locked!   |
|                 | H-D Write Lock successfully installed.                                    |
|                 | ***** Test Harness Log *****  |
|                 | CMD: A:\TEST-HDL.EXE SWB-21 McMillan JRL i 90 8A 64 1F E4                 |
|                 | Case: SWB-21  |
|                 | Command set: Information  |
|                 | Date: Mon Sep 29 13:43:18 2003  |
|                 |   |
|                 | Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51       |

| Case SWB-21 HDL | Hard-Disl                  | <pre>   (Int_13) Write Lock V0.5 971 </pre>      | 202 (C)GKH 1993,1994,1997                         |
|-----------------|----------------------------|--|---|
|                 | @(#)                       | wb-defs.h Version 1.2 Create                     | d 08/31/03 at 08:18:19                            |
|                 | -                          | oiled on Aug 31 2003 at 08:10:                   | 54  |
|                 | Operator: J<br>Host: McMil |  |   |
|                 |                            | rives 5, Drives: 90 8A 64 1F B                   | 7.4   |
|                 |                            | Cmd Drv Action Stat Cry Count                    |   |
|                 | 0 SWB-21                   | <01> 80 Allowed 0000 Off                         | l GetLastStatus                                   |
|                 |                            |  | l VerifySectors                                   |
|                 |                            |  | l ReadDriveParms                                  |
|                 |                            |  | l TestDriveReady<br>l ReadDriveType               |
|                 |                            |  | l CheckForExtensions                              |
|                 |                            |  | l VerifySectors                                   |
|                 | 7 SWB-21                   |  | l GetDriveParms                                   |
|                 |                            |  | ) No commands blocked (0 of 8)                    |
|                 |                            |  | l GetLastStatus                                   |
|                 |                            |  | l VerifySectors<br>l ReadDriveParms               |
|                 |                            |  | l TestDriveReady                                  |
|                 |                            |  | l ReadDriveType                                   |
|                 | 5 SWB-21                   | <41> 81 Allowed 0000 Off                         | l CheckForExtensions                              |
|                 |                            |  | l VerifySectors                                   |
|                 |                            |  | l GetDriveParms                                   |
|                 |                            |  | l No commands blocked (0 of 8)<br>l GetLastStatus |
|                 |                            |  | l GetLastStatus<br>l VerifySectors                |
|                 |                            |  | l ReadDriveParms                                  |
|                 | 3 SWB-21                   |  | l TestDriveReady                                  |
|                 | 4 SWB-21                   | <15> 82 Allowed 0000 Off                         | l ReadDriveType                                   |
|                 |                            |  | l CheckForExtensions                              |
|                 |                            |  | l VerifySectors                                   |
|                 |                            |  | l GetDriveParms<br>2 No commands blocked (0 of 8) |
|                 |                            |  | l GetLastStatus                                   |
|                 |                            |  | l VerifySectors                                   |
|                 | 2 SWB-21                   | <08> 83 Allowed 0000 Off                         | l ReadDriveParms                                  |
|                 |                            |  | l TestDriveReady                                  |
|                 |                            |  | l ReadDriveType                                   |
|                 |                            |  | l CheckForExtensions<br>l VerifySectors           |
|                 |                            |  | l GetDriveParms                                   |
|                 | Results for                | SWB-21 category i on drive 83                    | 3 No commands blocked (0 of 8)                    |
|                 |                            |  | l GetLastStatus                                   |
|                 |                            |  | l VerifySectors                                   |
|                 |                            |  | l ReadDriveParms<br>l TestDriveReady              |
|                 |                            |  | l ReadDriveType                                   |
|                 | 5 SWB-21                   | <41> 84 Allowed 0000 Off                         | l CheckForExtensions                              |
|                 | 6 SWB-21                   | <44> 84 Allowed 0000 Off                         | l VerifySectors                                   |
|                 |                            |  |   |
|                 |                            |  | 4 No commands blocked (0 of 8)                    |
|                 | Summary: 40                | sent, 0 blocked, 40 not block                    | veu   |
|                 |                            |  |   |
| 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 unprotected                          | Drive 80 is unprotected                           |
|                 | AM-09<br>AM-09             | Drive 81 is unprotected<br>Drive 82 is protected | Drive 81 is unprotected<br>Drive 82 is protected  |
|                 | AM-09<br>AM-09             | Drive 82 is protected<br>Drive 83 is protected   | Drive 82 is protected<br>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 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 drive 84 blocked                      | No cmds to drive 84 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-21 Expe                | cted results achieved                            |   |

Case SWB-22 HDL -- Hard-Disk (Int\_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997

| Case SWB-22 HDL      | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |
|----------------------|--|--|--|
| 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:           | Mon Sep 29 13:53:47 2003   |  |  |
| Test PC:             | McMillan   |  |  |
| Test Software:       | SWBT 1.0   |  |  |
| Hard Drives<br>Used: | Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors<br>Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors |  |  |
| Used.                | Drive 82, label 64 is a WDC WD200EB-00CSF0 with 39102336 sectors   |  |  |
|                      | Drive 83, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548   |  |  |
|                      | sectors  |  |  |
|                      | Drive 84, 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  |  |  |
|                      | hdl5 S1234<br>test-hdl SWB-22 McMillan JRL i 90 8A 64 1F E4  |  |  |
|                      | 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 (09/29/03 at 13:53:40) Going TSR ***** Install HDL Log *****   |  |  |
|                      | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |
|                      | 5 Hard-Disks reported by Int_13h   |  |  |
|                      | Hard-Disk 0 Not Locked!  |  |  |
|                      | Hard-Disk 1 Locked!  |  |  |
|                      | Hard-Disk 2 Locked!<br>Hard-Disk 3 Locked!   |  |  |
|                      | Hard-Disk 3 Locked!<br>Hard-Disk 4 Locked!   |  |  |
|                      | H-D Write Lock successfully installed.   |  |  |
|                      | ***** Test Harness Log *****   |  |  |
|                      | CMD: A:\TEST-HDL.EXE SWB-22 McMillan JRL i 90 8A 64 1F E4  |  |  |
|                      | Case: SWB-22   |  |  |
|                      | Command set: Information   |  |  |
|                      | Date: Mon Sep 29 13:53:47 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: McMillan   |  |  |
|                      | Number of drives 5, Drives: 90 8A 64 1F E4   |  |  |
|                      | Case Cmd Drv Action Stat Cry Count Cmd Name<br>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<br>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   |  |  |

Test Results for HDL V0.5

| Case SWB-22 HDL | Hard-Dis    | (Int_13) Write Lock V0.5 971  | .202 (C)GKH 1993,1994,1997     |
|-----------------|-------------|-------------------------------|--------------------------------|
|                 | 3 SWB-22    | <10> 81 Allowed 0000 Off 1    | l TestDriveReady               |
|                 | 4 SWB-22    | <15> 81 Allowed 0000 Off 1    | l ReadDriveType                |
|                 | 5 SWB-22    | <41> 81 Allowed 0000 Off 1    | l CheckForExtensions           |
|                 | 6 SWB-22    | <44> 81 Allowed 0000 Off 1    | l VerifySectors                |
|                 | 7 SWB-22    | <48> 81 Allowed 0000 Off 1    | l GetDriveParms                |
|                 | Results for | SWB-22 category i on drive 81 | l No commands blocked (0 of 8) |
|                 | 0 SWB-22    | <01> 82 Allowed 0000 Off 1    | l GetLastStatus                |
|                 | 1 SWB-22    | <04> 82 Allowed 0000 Off 1    | l VerifySectors                |
|                 | 2 SWB-22    | <08> 82 Allowed 0000 Off 1    | l ReadDriveParms               |
|                 | 3 SWB-22    | <10> 82 Allowed 0000 Off 1    | l TestDriveReady               |
|                 | 4 SWB-22    | <15> 82 Allowed 0000 Off 1    | l ReadDriveType                |
|                 | 5 SWB-22    | <41> 82 Allowed 0000 Off 1    | l CheckForExtensions           |
|                 | 6 SWB-22    | <44> 82 Allowed 0000 Off 1    | l VerifySectors                |
|                 | 7 SWB-22    | <48> 82 Allowed 0000 Off 1    | l GetDriveParms                |
|                 | Results for | SWB-22 category i on drive 82 | 2 No commands blocked (0 of 8) |
|                 | 0 SWB-22    | <01> 83 Allowed 0000 Off 1    | l GetLastStatus                |
|                 | 1 SWB-22    | <04> 83 Allowed 0000 Off 1    | l VerifySectors                |
|                 | 2 SWB-22    | <08> 83 Allowed 0000 Off 1    | l ReadDriveParms               |
|                 | 3 SWB-22    | <10> 83 Allowed 0000 Off 1    | l TestDriveReady               |
|                 | 4 SWB-22    | <15> 83 Allowed 0000 Off 1    | l ReadDriveType                |
|                 | 5 SWB-22    | <41> 83 Allowed 0000 Off 1    | l CheckForExtensions           |
|                 | 6 SWB-22    | <44> 83 Allowed 0000 Off 1    | l VerifySectors                |
|                 | 7 SWB-22    |                               | l GetDriveParms                |
|                 | Results for | SWB-22 category i on drive 83 | 3 No commands blocked (0 of 8) |
|                 | 0 SWB-22    | <01> 84 Allowed 0000 Off 1    | l GetLastStatus                |
|                 | 1 SWB-22    | <04> 84 Allowed 0000 Off 1    | l VerifySectors                |
|                 | 2 SWB-22    | <08> 84 Allowed 0000 Off 1    | l ReadDriveParms               |
|                 | 3 SWB-22    | <10> 84 Allowed 0000 Off 1    | l TestDriveReady               |
|                 | 4 SWB-22    | <15> 84 Allowed 0000 Off 1    | l ReadDriveType                |
|                 | 5 SWB-22    | <41> 84 Allowed 0000 Off 1    | l CheckForExtensions           |
|                 | 6 SWB-22    | <44> 84 Allowed 0000 Off 1    | l VerifySectors                |
|                 | 7 SWB-22    | <48> 84 Allowed 0000 Off 1    | l GetDriveParms                |
|                 | Results for | SWB-22 category i on drive 84 | 4 No commands blocked (0 of 8) |
|                 | Summary: 40 | sent, 0 blocked, 40 not block | ced                            |
|                 |             |                               |                                |
| Desults         |             | Barry and a d. Da malle r     |                                |
| 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 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 drive 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 Expe | cted results achieved         |                                |
|                 |             |                               |                                |

| Case SWB-23 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997           |
|-----------------|---|
| 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-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.  |
|                 |   |

| Case SWB-23 HDL       | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|-----------------------|---|
| Tester Name:          | JRL   |
| Test Date:            | Mon Sep 29 13:57:25 2003  |
| Test PC:              | McMillan  |
| Test Software:        | SWBT 1.0  |
| Hard Drives<br>Used:  | Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors<br>Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors<br>Drive 82, label 64 is a WDC WD64AA with 12594960 sectors<br>Drive 83, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548<br>sectors |
| Commonda              | Drive 84, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors  |
| Commands<br>executed: | Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]<br>tally13<br>hdl5 0234<br>test-hdl SWB-23 McMillan JRL c 90 8A 64 1F E4<br>Shutdown Test PC   |
| Log File              | ***** Monitor Execution *****   |
| Highlights:           | Monitor BIOS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:33:17<br>@(#) Version 1.1 Created 07/29/03 at 07:28:05<br>Now (09/29/03 at 13:57:18) Going TSR<br>***** Install HDL Log *****   |
|                       | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997<br>5 Hard-Disks reported by Int_13h<br>Hard-Disk 0 Locked!  |
|                       | Hard-Disk 1 Not Locked!<br>Hard-Disk 2 Locked!<br>Hard-Disk 3 Locked!   |
|                       | Hard-Disk 4 Locked!   |
|                       | H-D Write Lock successfully installed.<br>***** Test Harness Log *****  |
|                       | CMD: A:\TEST-HDL.EXE SWB-23 McMillan JRL c 90 8A 64 1F E4   |
|                       | Case: SWB-23<br>Command set: Control<br>Date: Mon Sep 29 13:57:25 2003  |
|                       | <pre>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br/>Compiled on Aug 31 2003 at 08:10:54<br/>Operator: JRL</pre>  |
|                       | Host: McMillan  |
|                       | Number of drives 5, Drives: 90 8A 64 1F E4  |
|                       | Case Cmd Drv Action Stat Cry Count Cmd Name   |
|                       | 0 SWB-23 <00> 80 Allowed 0000 Off 1 Reset   |
|                       | 1 SWB-23 <0C> 80 Allowed 0000 Off 1 SeekDrive<br>2 SWB-23 <0D> 80 Allowed 0000 Off 1 AltReset   |
|                       | 2 SWB-23 <0D> 80 Allowed 0000 Off 1 AltReset<br>3 SWB-23 <11> 80 Allowed 0000 Off 1 Recalibrate<br>4 SWB-23 <47> 80 Allowed 0000 Off 1 ExtendedSeek   |
|                       | Results for SWB-23 category c on drive 80 No commands blocked (0 of 5)<br>0 SWB-23 <00> 81 Allowed 0000 Off 1 Reset   |
|                       | 1 SWB-23 <0C> 81 Allowed 0000 Off 1 SeekDrive<br>2 SWB-23 <0D> 81 Allowed 0000 Off 1 AltReset<br>3 SWB-23 <11> 81 Allowed 0000 Off 1 Recalibrate  |
|                       | 4 SWB-23 <47> 81 Allowed 0000 Off 1 ExtendedSeek<br>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<br>1 SWB-23 <0C> 82 Allowed 0000 Off 1 SeekDrive  |
|                       | 2 SWB-23 <0D> 82 Allowed 0000 Off 1 AltReset<br>3 SWB-23 <11> 82 Allowed 0000 Off 1 Recalibrate<br>4 SWB-23 <47> 82 Allowed 0000 Off 1 ExtendedSeek   |
|                       | Results for SWB-23 category c on drive 82 No commands blocked (0 of 5)<br>0 SWB-23 <00> 83 Allowed 0000 Off 1 Reset   |
|                       | 1 SWB-23 <0C> 83 Allowed 0000 Off 1 SeekDrive<br>2 SWB-23 <0D> 83 Allowed 0000 Off 1 AltReset   |
|                       | 3 SWB-23 <11> 83 Allowed 0000 Off 1 Recalibrate<br>4 SWB-23 <47> 83 Allowed 0000 Off 1 ExtendedSeek   |
|                       | Results for SWB-23 <00> 84 Allowed 0000 Off 1 Reset   |
|                       | 1 SWB-23 <0C> 84 Allowed 0000 Off       1 SeekDrive         2 SWB-23 <0D> 84 Allowed 0000 Off       1 AltReset  |
|                       | 3 SWB-23 <11> 84 Allowed 0000 Off 1 Recalibrate   |
|                       | 4 SWB-23 <47> 84 Allowed 0000 Off 1 ExtendedSeek<br>Results for SWB-23 category c on drive 84 No commands blocked (0 of 5)  |

| Case SWB-23 HDL | Hard-Dis    | (Int_13) Write Lock V0.5 971  | L202 (C)GKH 1993,1994,1997  |
|-----------------|-------------|-------------------------------|-----------------------------|
|                 | Summary: 25 | sent, 0 blocked, 25 not block | ked                         |
|                 |             |                               |                             |
| 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 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-05       | No cmds to drive 80 blocked   | No cmds to drive 80 blocked |
|                 | AO-05       | No cmds to drive 82 blocked   | No cmds to drive 82 blocked |
|                 | AO-05       | No cmds to drive 83 blocked   | No cmds to drive 83 blocked |
|                 | AO-05       | No cmds to drive 84 blocked   | No cmds to drive 84 blocked |
|                 | AO-07       | No cmds to drive 81 blocked   | No cmds to drive 81 blocked |
| Analysis:       | SWB-23 Expe | cted results achieved         |                             |

| Case SWB-24 HDL         | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                       |
|-------------------------|---|
| Case summary:           | SWB-24 Install all drives, configure return code to success, protect 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:              | Mon Sep 29 14:04:59 2003  |
| Test PC:                | McMillan  |
| 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 64 is a WDC WD64AA with 12594960 sectors                              |
|                         | Drive 83, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548                  |
|                         | sectors   |
| C                       | Drive 84, 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   |
|                         | hdl5 s024   |
|                         | test-hdl SWB-24 McMillan JRL c 90 8A 64 1F E4   |
| I an Till-              | Shutdown Test PC  |
| Log File<br>Wighlighta: | ***** Monitor Execution *****   |
| Highlights:             | Monitor BIOS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:33:17 |
|                         | (a) (#) Version 1.1 Created 07/29/03 at 07.33.17                                      |
|                         | Now $(09/29/03 \text{ at } 14:04:52)$ Going TSR                                       |
|                         | ***** Install HDL Log *****   |
|                         | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                   |
|                         | 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!   |
|                         | H-D Write Lock successfully installed.  |
|                         | ***** Test Harness Log *****  |
|                         | CMD: A:\TEST-HDL.EXE SWB-24 McMillan JRL c 90 8A 64 1F E4                             |
|                         | Case: SWB-24  |
|                         |   |

| Case SWR-24 HDL - | Hard-Diek    | : (Int_13) Write Lock V0.5 971                           | 202 (C)CKH 1993 1994 1997               |
|-------------------|--------------|--|---|
|                   | Command set: |  | 202 (C)GRA 1993,1994,1997               |
|                   |              | 29 14:04:59 2003   |   |
|                   |              |  |   |
| 7                 | Version: @(# | test-hdl.cpp Version 1.1 Cr                              | eated 08/23/03 at 10:13:51              |
|                   | @(#)         | wb-defs.h Version 1.2 Create                             | d 08/31/03 at 08:18:19                  |
|                   | Comp         | iled on Aug 31 2003 at 08:10:                            | 54                                      |
|                   | Operator: JH | RL   |   |
| I                 | Host: McMill | lan  |   |
| 1                 |              | rives 5, Drives: 90 8A 64 1F E                           |   |
|                   |              | 2md Drv Action Stat Cry Count                            |   |
|                   |              | <00> 80 Allowed 0000 Off 1                               |   |
|                   |              |  | SeekDrive                               |
|                   |              |  | AltReset                                |
|                   |              |  | Recalibrate                             |
|                   |              |  | ExtendedSeek                            |
| 1                 |              |  | ) No commands blocked (0 of 5)<br>Reset |
|                   |              |  | SeekDrive                               |
|                   |              |  | AltReset                                |
|                   |              |  | Recalibrate                             |
|                   |              |  | ExtendedSeek                            |
| 1                 |              |  | No commands blocked (0 of 5)            |
|                   |              |  | Reset                                   |
|                   |              |  | SeekDrive                               |
|                   |              |  | AltReset                                |
|                   | 3 SWB-24 <   | <11> 82 Allowed 0000 Off 1                               | Recalibrate                             |
|                   | 4 SWB-24 <   | <47> 82 Allowed 0000 Off 1                               | ExtendedSeek                            |
| H                 | Results for  | SWB-24 category c on drive 82                            | No commands blocked (0 of 5)            |
|                   | 0 SWB-24 <   | <00> 83 Allowed 0000 Off 1                               | Reset                                   |
|                   |              |  | SeekDrive                               |
|                   |              |  | AltReset                                |
|                   |              |  | Recalibrate                             |
|                   |              | <47> 83 Allowed 0000 Off 1                               |   |
| H                 |              |  | 3 No commands blocked (0 of 5)          |
|                   |              | <00> 84 Allowed 0000 Off 1<br><0C> 84 Allowed 0000 Off 1 |   |
|                   |              |  |   |
|                   | 2 SWB-24 <   | <pre>&lt;11&gt; 84 Allowed 0000 Off 1</pre>              | AltReset                                |
|                   |              | <47> 84 Allowed 0000 Off 1                               |   |
| T                 |              |  | No commands blocked (0 of 5)            |
|                   |              | sent, 0 blocked, 25 not block                            |   |
|                   | 1 10         | ,  |   |
|                   |              |  |   |
| 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        | 0 Commands return success                                | 0 Commands return success               |
|                   | AO-05        | No cmds to drive 80 blocked                              | No cmds to drive 80 blocked             |
|                   | AO-05        | No cmds to drive 82 blocked                              | No cmds to drive 82 blocked             |
|                   | AO-05        | No cmds to drive 84 blocked                              | No cmds to drive 84 blocked             |
|                   | AO-07        | No cmds to drive 81 blocked                              | No cmds to drive 81 blocked             |
|                   |              |  |   |
|                   | AO-07        | No cmds to drive 83 blocked                              | No cmds to drive 83 blocked             |

| Case SWB-25 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         |
|-----------------|---|
| 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       |
| 4 4 2004        |   |

| Case SWB-25 HDI         | Hard-Disk (Int_13) Write Lock V0.5 9712   | 202 (C)GKH 1993,1994,1997                     |
|-------------------------|---|---|
|                         | unsuccessful command execution.<br>SWB-AO-01. If a subset of all covered driv<br>then commands from the write category<br>the selected subset.<br>SWB-AO-07. If a subset of all covered driv<br>then no commands from any category sh<br>the selected subset. | ves is specified for protection,              |
| Tester Name:            | Blive   |   |
| Test Date:              | Mon Sep 29 13:19:15 2003  |   |
| Test PC:                | McMillan  |   |
| Test Software:          | SWBT 1.0  |   |
| Hard Drives             | Drive 80, label 90 is a WDC WD300BB-00CAA   | 0 with 58633344 sectors                       |
| Used:                   | Drive 81, label 1F is a Quantum ATLAS10K3   | _18_SCA Drive with 35916548                   |
|                         | sectors   |   |
|                         | Drive 82, label E4 is a QUANTUM ATLAS10K2   |   |
| Commands                | Boot Test PC to (DOS 7.1) Windows 98 [Vers  | sion 4.10.2222]                               |
| executed:               | tally13   |   |
|                         | hdl5 0  |   |
|                         | test-hdl SWB-25 McMillan Blive w 90 1F E4<br>Shutdown Test PC   |   |
| I am Thile              | ***** Monitor Execution *****   |   |
| Log File<br>Highlights: | Monitor BIOS interrupt 13h (disk service)   |   |
| HIGHLIGHLS              | tally13 compiled on 07/29/03 at 07:33:17  |   |
|                         | @(#) Version 1.1 Created 07/29/03 at 07:23  | 8:05  |
|                         | Now (09/29/03 at 13:19:07) Going T  |   |
|                         | ***** Install HDL Log *****   |   |
|                         | HDL Hard-Disk (Int_13) Write Lock V0.5  | 971202 (C)GKH 1993,1994,1997                  |
|                         | 3 Hard-Disks reported by Int_13h  |   |
|                         | Hard-Disk 0 Locked!   |   |
|                         | Hard-Disk 1 Not Locked!   |   |
|                         | Hard-Disk 2 Not Locked!   |   |
|                         | H-D Write Lock successfully instal  | led.  |
|                         | ***** Test Harness Log *****  |   |
|                         | CMD: A:\TEST-HDL.EXE SWB-25 McMillan Blive  | e w 90 1F E4                                  |
|                         | Case: SWB-25  |   |
|                         | Command set: Write  |   |
|                         | Date: Mon Sep 29 13:19:15 2003  |   |
|                         | <pre>Version: @(#) test-hdl.cpp Version 1.1 Cr<br/>@(#) wb-defs.h Version 1.2 Created<br/>Compiled on Aug 31 2003 at 08:10:5<br/>Operator: Blive</pre>  | 08/31/03 at 08:18:19                          |
|                         | Host: McMillan  |   |
|                         | Number of drives 3, Drives: 90 1F E4  |   |
|                         | Case Cmd Drv Action Stat Cry Count  | Cmd Name                                      |
|                         |   | WriteSectors                                  |
|                         | 1 SWB-25 <0B> 80 Blocked 0300 On 0  | 5   |
|                         |   | ExtWrite                                      |
|                         | Results for SWB-25 category w on drive 80<br>0 SWB-25 <03> 81 Allowed 0000 Off 1  | All commands blocked (3 of 3)<br>WriteSectors |
|                         |   | WriteLong                                     |
|                         |   | ExtWrite                                      |
|                         | Results for SWB-25 category w on drive 81   |   |
|                         |   | WriteSectors                                  |
|                         |   | WriteLong                                     |
|                         |   | ExtWrite                                      |
|                         | Results for SWB-25 category w on drive 82   |   |
|                         | Summary: 9 sent, 3 blocked, 6 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 3 Commands return fail  | 3 Commands return fail                        |
|                         | AO-01 All cmds to drive 80 blocked  | All 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-25 Expected results achieved  |   |

| Case SWB-26 HDL        | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|------------------------|---|
| Case summary:          | SWB-26 Install three drives, configure return code to success, protect  |
|                        | 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-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:           | Blive   |
| Test Date:<br>Test PC: | Mon Sep 29 13:23:57 2003<br>McMillan  |
| Test Software:         | SWBT 1.0  |
| Hard Drives            | Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors  |
| Used:                  | Drive 81, label 1F is a Quantum ATLAS10K3 18 SCA Drive with 35916548  |
| obcui                  | sectors   |
|                        | Drive 82, 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   |
|                        | hdl5 S1   |
|                        | test-hdl SWB-26 McMillan Blive w 90 1F E4   |
|                        | 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<br>Now (09/29/03 at 13:23:50) Going TSR   |
|                        | ***** Install HDL Log *****   |
|                        | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|                        | 3 Hard-Disks reported by Int_13h  |
|                        | Hard-Disk 0 Not Locked!   |
|                        | Hard-Disk 1 Locked!   |
|                        | Hard-Disk 2 Not Locked!   |
|                        | H-D Write Lock successfully installed.  |
|                        | ***** Test Harness Log *****  |
|                        | CMD: A:\TEST-HDL.EXE SWB-26 McMillan Blive w 90 1F E4   |
|                        | Case: SWB-26<br>Command set: Write  |
|                        | Date: Mon Sep 29 13:23:57 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   |
|                        | Operator: Blive   |
|                        | Host: McMillan  |
|                        | Number of drives 3, Drives: 90 1F E4  |
|                        | Case Cmd Drv Action Stat Cry Count Cmd Name   |
|                        | 0 SWB-26 <03> 80 Allowed 0000 Off 1 WriteSectors<br>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 <0B> 81 Blocked 0000 Off 0 WriteLong   |
|                        | 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   |

| 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 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         | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|-------------------------|--|
| 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<br>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:            | Blive  |
| Test Date:              | Mon Sep 29 13:30:38 2003   |
| Test PC:                | McMillan   |
| Test Software:          | SWBT 1.0   |
| Hard Drives             | Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors   |
| Used:                   | Drive 81, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548   |
|                         | sectors  |
|                         | Drive 82, 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  |
|                         | hdl5 2   |
|                         | test-hdl SWB-27 McMillan Blive w 90 1F E4  |
|                         | Shutdown Test PC   |
| Log File<br>Highlights: | ***** Monitor Execution *****<br>Monitor BIOS interrupt 13h (disk service)   |
| HIGHLIGHLS              | tally13 compiled on 07/29/03 at 07:33:17   |
|                         | @(#) Version 1.1 Created 07/29/03 at 07:28:05  |
|                         | Now (09/29/03 at 13:30:32) Going TSR   |
|                         | ***** Install HDL Log *****  |
|                         | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|                         | 3 Hard-Disks reported by Int_13h   |
|                         | Hard-Disk 0 Not Locked!  |
|                         | Hard-Disk 1 Not Locked!  |
|                         | Hard-Disk 2 Locked!  |
|                         | H-D Write Lock successfully installed.   |
|                         | ***** Test Harness Log *****   |
|                         | CMD: A:\TEST-HDL.EXE SWB-27 McMillan Blive w 90 1F E4  |
|                         | Case: SWB-27   |
|                         | Command set: Write   |
|                         | Date: Mon Sep 29 13:30:38 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: Blive  |
|                         | Host: McMillan   |
|                         | Number of drives 3, Drives: 90 1F E4   |
|                         | Case Cmd Drv Action Stat Cry Count Cmd Name  |
|                         | 0 SWB-27 <03> 80 Allowed 0000 Off 1 WriteSectors   |
| August 2004             | 54 of 77 Test Results for HDL V0 5   |

|          | u == naru-bisi  | c (Int_13) Write Lock V0.5 9712   | 202 (C)GKH 1993,1994,1997   |
|----------|---|---|---|
|          | 1 SWB-27  | <0B> 80 Allowed 0000 Off 1  | WriteLong   |
|          | 2 SWB-27  | <43> 80 Allowed 0000 Off 1  | ExtWrite  |
|          | Results for   | SWB-27 category w on drive 80   | No commands blocked (0 of 3)  |
|          | 0 SWB-27  | <03> 81 Allowed 0000 Off 1  | WriteSectors  |
|          | 1 SWB-27  | <ob> 81 Allowed 0000 Off 1</ob>   | WriteLong   |
|          | 2 SWB-27  | <43> 81 Allowed 0000 Off 1  | ExtWrite  |
|          |   | SWB-27 category w on drive 81   |   |
|          | 0 SWB-27  | <03> 82 Blocked 0300 On 0   | WriteSectors  |
|          | 1 SWB-27  | <0B> 82 Blocked 0300 On 0   | WriteLong   |
|          | 2 SWB-27  | <43> 82 Blocked 0300 On 0   | ExtWrite  |
|          | Results for   | SWB-27 category w on drive 82   | All commands blocked (3 of 3)   |
|          | Summary: 9  | sent, 3 blocked, 6 not blocked  |   |
|          |   |   |   |
|          |   |   |   |
|          |   |   |   |
| Results: | Assertion   | Expected Results  | Actual Results  |
| Results: | Assertion<br>AM-07  | Tool active message   | Tool active message   |
| Results: |   | ±   |   |
| Results: | AM-07   | Tool active message   | Tool active message   |
| Results: | AM-07<br>AM-08  | Tool active message<br>3 drives identified  | Tool active message<br>3 drives identified  |
| Results: | AM-07<br>AM-08<br>AM-09   | Tool active message<br>3 drives identified<br>Drive 80 is unprotected   | Tool active message<br>3 drives identified<br>Drive 80 is unprotected   |
| Results: | AM-07<br>AM-08<br>AM-09<br>AM-09  | Tool active message<br>3 drives identified<br>Drive 80 is unprotected<br>Drive 81 is unprotected  | Tool active message<br>3 drives identified<br>Drive 80 is unprotected<br>Drive 81 is unprotected  |
| Results: | AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09  | Tool active message<br>3 drives identified<br>Drive 80 is unprotected<br>Drive 81 is unprotected<br>Drive 82 is protected   | Tool active message<br>3 drives identified<br>Drive 80 is unprotected<br>Drive 81 is unprotected<br>Drive 82 is protected<br>3 Commands return fail                                 |
| Results: | AM-07<br>AM-08<br>AM-09<br>AM-09<br>AM-09<br>AM-09<br>AM-11   | Tool active message<br>3 drives identified<br>Drive 80 is unprotected<br>Drive 81 is unprotected<br>Drive 82 is protected<br>3 Commands return fail                                 | Tool active message<br>3 drives identified<br>Drive 80 is unprotected<br>Drive 81 is unprotected<br>Drive 82 is protected<br>3 Commands return fail                                 |
| Results: | AM-07           AM-08           AM-09           AM-09           AM-09           AM-09           AM-09           AM-09           AM-09           AM-09           AM-09           AM-09 | Tool active message<br>3 drives identified<br>Drive 80 is unprotected<br>Drive 81 is unprotected<br>Drive 82 is protected<br>3 Commands return fail<br>All cmds to drive 82 blocked | Tool active message<br>3 drives identified<br>Drive 80 is unprotected<br>Drive 81 is unprotected<br>Drive 82 is protected<br>3 Commands return fail<br>All cmds to drive 82 blocked |

|                | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |
|----------------|--|--|--|
| 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<br>indicating the protection status of each drive attached to a covered<br>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<br>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<br>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:   | Blive  |  |  |
| Test Date:     | Mon Sep 29 13:33:21 2003   |  |  |
| Test PC:       | McMillan   |  |  |
| Test Software: | SWBT 1.0   |  |  |
| Hard Drives    | Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors   |  |  |
| Used:          | Drive 81, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548   |  |  |
| obca           | sectors  |  |  |
|                | Drive 82, 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  |  |  |
|                | hd15 \$12  |  |  |
|                | test-hdl SWB-28 McMillan Blive w 90 1F E4  |  |  |
|                | 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 (09/29/03 at 13:33:15) Going TSR   |  |  |
|                | ***** Install HDL Log *****  |  |  |
|                | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |
|                | 3 Hard-Disks reported by Int_13h   |  |  |
|                | Hard-Disk 0 Not Locked!  |  |  |
|                | Hard-Disk 1 Locked!  |  |  |
|                | Hard-Disk 2 Locked!  |  |  |
|                | H-D Write Lock successfully installed.   |  |  |
|                | ***** Test Harness Log *****   |  |  |

| Case SWB-28 HDL | Hard-Dis       | x (Int_13) Write Lock V0.5 9712                                  | 02 (C)GKH 1993,1994,1997                                    |
|-----------------|----------------|--|---|
|                 |                | T-HDL.EXE SWB-28 McMillan Blive                                  | e w 90 1F E4  |
|                 | Case: SWB-2    |  |   |
|                 | Command set    |  |   |
|                 | Date: Mon S    | ep 29 13:33:21 2003  |   |
|                 |                |  |   |
|                 |                | #) test-hdl.cpp Version 1.1 Cre<br>wb-defs.h Version 1.2 Created |   |
|                 | - ( 11 )       | wb-defs.n Version 1.2 Created<br>biled on Aug 31 2003 at 08:10:5 |   |
|                 | Operator: B    | -  | 4   |
|                 | Host: McMil    |  |   |
|                 |                | rives 3, Drives: 90 1F E4  |   |
|                 |                | Cmd Drv Action Stat Cry Count                                    | Cmd Name  |
|                 | 0 SWB-28       | <03> 80 Allowed 0000 Off 1                                       | WriteSectors  |
|                 | 1 SWB-28       | <0B> 80 Allowed 0000 Off 1                                       | WriteLong   |
|                 | 2 SWB-28       | <43> 80 Allowed 0000 Off 1                                       | ExtWrite  |
|                 |                | SWB-28 category w on drive 80                                    |   |
|                 |                | <03> 81 Blocked 0000 Off 0                                       |   |
|                 |                | <0B> 81 Blocked 0000 Off 0                                       |   |
|                 |                | <43> 81 Blocked 0000 Off 0                                       |   |
|                 |                | SWB-28 category w on drive 81                                    |   |
|                 |                | <03> 82 Blocked 0000 Off 0<br><0B> 82 Blocked 0000 Off 0         |   |
|                 |                | <pre>&lt;43&gt; 82 Blocked 0000 Off 0</pre>                      |   |
|                 |                | SWB-28 category w on drive 82                                    |   |
|                 |                | sent, 6 blocked, 3 not blocked                                   | ATT Commands Diocked (3 of 3)                               |
|                 | Summary        | bene, o brochea, o not brochea                                   |   |
|                 |                |  |   |
| Results:        | Assertion      |  | 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 protected  | Drive 82 is protected                                       |
|                 | AM-10          | 6 Commands return success  | 6 Commands return success                                   |
|                 | AO-01          | All cmds to drive 81 blocked                                     | All cmds to drive 81 blocked                                |
|                 | AO-01<br>AO-07 | All cmds to drive 82 blocked                                     | All cmds to drive 82 blocked<br>No cmds to drive 80 blocked |
| Duelersiet      |                | No cmds to drive 80 blocked                                      | NO CHIUS TO GRIVE 80 DIOCKED                                |
| Analysis:       | SwB-Z& Expe    | cted results achieved  |   |

| Case SWB-29 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                                   |
|-----------------|---|
| 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.  |
|                 | 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:    | Blive   |
| Test Date:      | Mon Sep 29 13:36:25 2003  |
| Test PC:        | McMillan  |
| Test Software:  | SWBT 1.0  |
| Hard Drives     | Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors                                  |
| Used:           | Drive 81, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548                              |
|                 | sectors   |
|                 | Drive 82, 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   |
|                 | hdl5 02   |
|                 | test-hdl SWB-29 McMillan Blive w 90 1F E4   |
|                 | Shutdown Test PC  |

|             | Hand Dial   | (Tat 12) Waite Leak VO E 0713  | 0.2 (0) 0211 1002 1004 1007   |  |  |
|-------------|---|--|-------------------------------|--|--|
| Log File    |   | (Int_13) Write Lock V0.5 9712<br>or Execution *****  | 102 (C)GRH 1993,1994,1997     |  |  |
| 9           |   | 5 interrupt 13h (disk service)   |                               |  |  |
| Highlights: |   |  |                               |  |  |
|             |   | mpiled on 07/29/03 at 07:33:17   |                               |  |  |
|             |   | n 1.1 Created 07/29/03 at 07:28  |                               |  |  |
|             |   | 03 at 13:36:18) Going TS   | SR                            |  |  |
|             |   | ll HDL Log ****  |                               |  |  |
|             |   | -Disk (Int_13) Write Lock V0.5   | 971202 (C)GKH 1993,1994,1997  |  |  |
|             |   | rd-Disks reported by Int_13h   |                               |  |  |
|             |   | -Disk 0 Locked!  |                               |  |  |
|             |   | -Disk 1 Not Locked!  |                               |  |  |
|             |   | -Disk 2 Locked!  |                               |  |  |
|             |   | Write Lock successfully instal   | Led.                          |  |  |
|             |   | Harness Log ****   |                               |  |  |
|             |   | I-HDL.EXE SWB-29 McMillan Blive  | e w 90 1F E4                  |  |  |
|             | Case: SWB-29  |  |                               |  |  |
|             | Command set   |  |                               |  |  |
|             | Date: Mon Se  | ep 29 13:36:25 2003  |                               |  |  |
|             | Version: @(   | t) test-hdl con Version 1 1 Cre  | ated 08/23/03 at 10:13:51     |  |  |
|             |   | <pre>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br/>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19</pre> |                               |  |  |
|             |   | iled on Aug 31 2003 at 08:10:5   |                               |  |  |
|             | -   | -  | T                             |  |  |
|             | Operator: Blive<br>Host: McMillan   |  |                               |  |  |
|             | Number of drives 3, Drives: 90 1F E4  |  |                               |  |  |
|             |   |  |                               |  |  |
|             |   | Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-29 <03> 80 Blocked 0300 On 0 WriteSectors   |                               |  |  |
|             | 1 SWB-29 <0B> 80 Blocked 0300 On 0 WriteLong  |  |                               |  |  |
|             |   | <43> 80 Blocked 0300 On 0  | 3                             |  |  |
|             |   | SWB-29 category w on drive 80  |                               |  |  |
|             |   | <pre>&lt;03&gt; 81 Allowed 0000 Off 1</pre>  |                               |  |  |
|             |   |  |                               |  |  |
|             | 1 SWB-29 <0B> 81 Allowed 0000 Off 1 WriteLong<br>2 SWB-29 <43> 81 Allowed 0000 Off 1 ExtWrite |  |                               |  |  |
|             |   | SWB-29 category w on drive 81  |                               |  |  |
|             |   | <03> 82 Blocked 0300 On 0  |                               |  |  |
|             |   |  | WriteLong                     |  |  |
|             |   | <43> 82 Blocked 0300 On 0  |                               |  |  |
|             |   | SWB-29 category w on drive 82  |                               |  |  |
|             |   | sent, 6 blocked, 3 not blocked   | All commands blocked (3 of 3) |  |  |
|             | Summary. 9  | sent, o biocked, s not biocked   |                               |  |  |
|             |   |  |                               |  |  |
| Results:    | Assertion   | 1  | 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   | 6 Commands return fail   | 6 Commands return fail        |  |  |
|             | AO-01   | All cmds to drive 80 blocked   | All cmds to drive 80 blocked  |  |  |
|             | AO-01   | All cmds to drive 82 blocked   | All cmds to drive 82 blocked  |  |  |
|             | AO-07   | No cmds to drive 81 blocked<br>cted results achieved   | No cmds to drive 81 blocked   |  |  |
| Analysis:   |   |  |                               |  |  |

| Case SWB-30 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |  |  |
|-----------------|---|--|--|
| 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 $% \left( \frac{1}{2} \right) = 0$ |  |  |
| 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.  |  |  |

|                |   | t (Int_13) Write Lock V0.5 9712                          |                                  |
|----------------|---|--|----------------------------------|
| Tester Name:   | SN  |  |                                  |
| Test Date:     | Mon Sep 29  | 15:16:10 2003  |                                  |
| Test PC:       | HecRamsey   |  |                                  |
| Test Software: | SWBT 1.0  |  |                                  |
| Hard Drives    |   | abel 8A is a WDC WD200EB-00CSF                           | ) with 39102336 sectors          |
| Used:          | Drive 81, label 64 is a WDC WD64AA with 12594960 sectors            |  |                                  |
|                |   |  | -SCA Drive with 17783249 sectors |
| Commands       |   | C to (DOS 7.1) Windows 98 [Vers                          |                                  |
| executed:      | tally13   |  |                                  |
|                | hdl5 S01  |  |                                  |
|                |   | B-30 HecRamsey SN w 8A 64 2B                             |                                  |
|                | Shutdown Te   | -  |                                  |
| Log File       | **** Monit  | or Execution *****                                       |                                  |
| Highlights:    |   | S interrupt 13h (disk service)                           |                                  |
| 5 5            |   | mpiled on 07/29/03 at 07:33:17                           |                                  |
|                | -   | n 1.1 Created 07/29/03 at 07:28                          | 3:05                             |
|                | Now (09/29/   | 03 at 15:16:04) Going TS                                 | SR                               |
|                | ***** Insta   | ll HDL Log *****   |                                  |
|                | HDL Hard  | -Disk (Int_13) Write Lock V0.5                           | 971202 (C)GKH 1993,1994,1997     |
|                |   | rd-Disks reported by Int_13h                             |                                  |
|                | Hard  | -Disk 0 Locked!  |                                  |
|                | Hard  | -Disk 1 Locked!  |                                  |
|                | Hard  | -Disk 2 Not Locked!                                      |                                  |
|                | H-D   | Write Lock successfully instal                           | led.                             |
|                | ***** Test 1  | Harness Log *****  |                                  |
|                | CMD: A:\TES   | I-HDL.EXE SWB-30 HecRamsey SN v                          | w 8A 64 2B                       |
|                | Case: SWB-3   | 0  |                                  |
|                | Command set   | : Write  |                                  |
|                | Date: Mon Se  | ep 29 15:16:10 2003                                      |                                  |
|                |   |  |                                  |
|                | Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 |  |                                  |
|                |   | wb-defs.h Version 1.2 Created                            |                                  |
|                | _   | oiled on Aug 31 2003 at 08:10:5                          | 4                                |
|                | Operator: SN  |  |                                  |
|                | Host: HecRa   | -  |                                  |
|                |   | rives 3, Drives: 8A 64 2B                                |                                  |
|                |   | Cmd Drv Action Stat Cry Count                            |                                  |
|                |   |  | WriteSectors                     |
|                |   |  | WriteLong                        |
|                |   |  | ExtWrite                         |
|                |   | SWB-30 category w on drive 80                            |                                  |
|                |   | <03> 81 Blocked 0000 Off 0<br><0B> 81 Blocked 0000 Off 0 | WriteSectors                     |
|                |   |  | WriteLong<br>ExtWrite            |
|                |   | SWB-30 category w on drive 81                            |                                  |
|                |   |  | WriteSectors                     |
|                |   |  | WriteLong                        |
|                |   | <pre>&lt;43&gt; 82 Allowed 0000 Off 1</pre>              |                                  |
|                |   | SWB-30 category w on drive 82                            |                                  |
|                |   | sent, 6 blocked, 3 not blocked                           |                                  |
|                | Sammary . 9   | Sene, o Brocked, 5 not brocked                           |                                  |
|                |   |  |                                  |
| 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<br>AM-09  | Drive 82 is unprotected                                  | Drive 82 is unprotected          |
|                |   | -  | 6 Commands return success        |
|                | AM-10   | 6 Commands return success                                |                                  |
|                | AO-01   | All cmds to drive 80 blocked                             | All cmds to drive 80 blocked     |
|                | AO-01   | All cmds to drive 81 blocked                             | All cmds to drive 81 blocked     |
|                | AO-07   | No cmds to drive 82 blocked                              | No cmds to drive 82 blocked      |
| Analysis:      |   | cted results achieved                                    |                                  |

| Case SWB-31 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997        |
|-----------------|--|
| 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.            |

Test Results for HDL V0.5

| <pre>SWB-AM-09. If the tool is executed then the tool shall issue a mess<br/>indicating the protection status of each drive attached to a co<br/>interface.<br/>SWB-AM-11. If the tool is configured to return fail on blocked comm<br/>and the tool blocks a command then the return code shall indice<br/>unsuccessful command execution.<br/>SWB-AO-04. If a subset of all covered drives is specified for prote<br/>then commands from the read category shall not be blocked for d<br/>in the selected subset.<br/>SWB-AO-07. If a subset of all covered drives is specified for prote<br/>then no commands from any category shall be blocked for drives<br/>the selected subset.<br/>Test Date: Mon Sep 29 15:12:19 2003<br/>Test DC: HecKamsey<br/>Test Software: SWBT 1.0<br/>Hard Drives<br/>Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors<br/>Drive 81, label 64 is a WDC WD200EB-00CSF0 with 39102336 sectors<br/>Drive 82, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 s<br/>Commands<br/>executed: tally13<br/>hdl5 0<br/>test-hdl SWB-31 HecRamsey SN r 8A 64 2B<br/>Shutdown Test PC<br/>Log File<br/>Highlights: Monitor Execution *****<br/>Highlights: Monitor BKson interrupt 13h (disk service)<br/>tally13 compiled on 07/29/03 at 07:33:17<br/>0(#) Version 1.1 Created 07/29/03 at 07:33:17<br/>10(#) Version 1.1 Created 07/29/03 at 07:33:17<br/>11 3 Hard-Disk 1 Int Locked!<br/>Hard-Disk 1 Int Locked!<br/>Hard-Disk 1 Not Locked!<br/>Hard-Disk 2 Not Locked!<br/>Hard-Disk 1 Not Locked!<br/>Hard-Disk 2 Not Locked 08/31/03 at 08:1</pre>  | ase SWB-31 HDL | Hard-Disk  | (Int_13) Write Lock V0.5 971   | 202 (C)GKH 1993,1994,1997         |
|---|----------------|--|--------------------------------|-----------------------------------|
| interface.         SNB-AN-11. If the tool is configured to return fail on blocked comm<br>and the tool blocks a command then the return code shall indice<br>unsuccessful command securiton.         SNB-AD-04. If a subset of all covered drives is specified for prote<br>then commands from the read category shall not be blocked for d<br>in the selected subset.         SNB-AD-07. If a subset of all covered drives is specified for prote<br>then commands from any category shall be blocked for drives<br>the selected subset.         Test Date:       NN         Test Software:       SNET.10         Hard Drives       Drive 80, label 6A is a WDC WD200ER-00CSF0 with 39102336 sectors<br>Drive 82, label 2B is a Quantum GN39100TD-SCA Drive with 17783249 s         Commands       Fort PC to (DOS 7.1) Windows 98 (Version 4.10.2223)<br>that 50 (Drives)         Commands       Fort PC to (DOS 7.1) Windows 98 (Version 4.10.2223)<br>that 50 (Drives)         Commands       Fort PC to (DOS 7.1) Windows 98 (Version 4.10.2224) s         Log File       Monit Dro Execution *****         Highlights:       Monit Dro Execution *****         Monit Dro BIOS Interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:23:05<br>New (09/29/03 at 15:12:12) Going TSR<br>****** (Drives 10.1 Created 07/29/03 at 07:23:05<br>New (09/29/03 at 15:12:12) Going TSR<br>******         HDL Hard-Disk (Int.13) Write Lock vol.5 971202 (C)GKH 1993,1994,1<br>3 Hard-Disk 1 Not Locked1<br>Hard-Disk 1 Not Locked1<br>Hard-Disk 1 Not Locked1<br>Hard-Disk 1 Not Locked1<br>Hard-Disk 2 Not Locked1<br>Hard-Disk 2 Not Locked1<br>Hard-Disk 2 Not Locked1<br>Hard-Disk 1 Not Locked1<br>Hard-Disk   |                |  |                                |                                   |
| SWB-AM-11. If the tool is configured to return fail on blocked comm<br>and the tool blocks a command then the return code shall indice<br>unsuccessful command execution.         SWB-AD-04. If a subset of all covered drives is specified for prote<br>then commands from my category shall be blocked for drives<br>the selected subset.         Test Date:       Mon Sep 29 15:12:19 2003         Test Date:       Mon Sep 29 15:12:19 2003         Test Date:       Mon Sep 29 15:12:19 2003         Test Date:       Drive 80, label 8A is a WCC WD20EB-00CSPO with 39102336 sectors         Drive 81, label 6A is a WCC WD20EB-00CSPO with 39102336 sectors         Drive 82, label 28 is a Quantum (M39100TD-SCA Drive with 1773249 s         Commands       Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]         tally13       complete 0 07/29/03 at 07:38:17         w(#) Version 1.1 Created 07/29/03 at 07:28:05       Now (9/29/03 at 15:12:12) 60 and TSR         ***** Monitor Execution *****       Monitor BIOS Interrupt 13h (disk service)         Now (9/29/03 at 15:12:12) 60 and TSR       *****         HEL   |                | indicat  | ing the protection status of   |                                   |
| SNB-AD-04. If a subset of all covered drives is specified for prote         then commands from the read category shall not be blocked for drives         SNB-AD-07. If a subset of all covered drives is specified for prote         then no commands from any category shall be blocked for drives         Test Date:       NN         Test Date:       MO Sep 29 15:12:19 2003         Test Date:       NN         Test Date:       NN Sep 29 15:12:19 2003         Test Date:       Drive 80, label 64 is a WDC WD200ER-00CSF0 with 39102336 sectors         Drive 81, label 64 is a WDC WD200ER-00CSF0 with 39102336 sectors         Drive 81, label 64 is a WDC WD200ER-00CSF0 with 17783249 s         Commands         Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.222]         tally13         hd15 0         tally13         tally13         tally13         tally13         tally13         tally13         tally13   |                | SWB-AM-11.   | If the tool is configured to a |                                   |
| then commands from the read category shall not be blocked for for a in the selected subset.SND-AD-07. If a subset of all covered drives is specified for protes the selected subset.Test Pane:SNTest Pane:SNDTest Pane:SNDTest Software:SNDTest Software:SNDDrive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectorsDrive 81, label 14 is a WDC WD200EB-00CSF0 with 39102336 sectorsDrive 82, label 2B is a Quantum QN39100TD-SCA Drive with 17783249 sCommandsBoot Test PC to DOS 7.1) Nindows 98 [Version 4.10.2222]Log FileMonitor BLOS interrupt 13h (disk service)tally13Monitor BLOS interrupt 13h (disk service)tally13 compiled on 07/29/03 at 07:28:05Now (09/29/03 at 15:12:12) Going TSR******HDL Hard-Disk (Int_13) Write Lock VO.5 971202 (C)GKH 1993,1994,1A Hard-Disk 1 Not Locked1Hard-Disk 2 Not Locked1Hard-Disk 1 Not Locked1Hard-Disk 2 Not Locked1Hard-Disk 1 Not Locked1 <td></td> <td>unsucce</td> <td>ssful command execution.</td> <td></td>  |                | unsucce  | ssful command execution.       |                                   |
| <pre>in the selected subset.<br/>SWB-AO-07. If a subset of all covered drives is specified for prote<br/>then no commands from any category shall be blocked for drives<br/>the selected subset.<br/>Test Date:<br/>Mon Sep 29 15:12:19 2003<br/>Test DC:<br/>HecKamsey<br/>Drive 80, label 8A is a NDC MD200EB-00CSF0 with 3910235 sectors<br/>Drive 81, label 6A is a NDC MD200EB-00CSF0 with 3910235 sectors<br/>Drive 82, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 s<br/>Commands<br/>executed:<br/>Not Test PC to (DOS 7.1) Windows 98 (Version 4.10.2222)<br/>tally1 compiled on 07/29/03 at 07:28:05<br/>Number of Execution *****<br/>Highlights:<br/>Monitor BIOS interrupt 13h (disk service)<br/>tally1 compiled on 07/29/03 at 07:28:05<br/>Nuw (09/29/03 at 15:12:12) Going TRR<br/>***** Install MDL Log *****<br/>HBL Hard-Disk 0 Locked!<br/>Hard-Disk 0 Locked!<br/>Hard-Disk 0 Locked!<br/>Hard-Disk 1 Not Locked!<br/>Hard-Disk 1 Not Locked!<br/>Hard-Disk 2 Not Locked!<br/>Hard-Disk 3 Case 2 Not 31 HecRamsey SN r 8A 64 2B<br/>Case: SNB-31<br/>Command set: Read<br/>Date: HacRamsey<br/>Number of drives 3, Drives: 8A 64 2B<br/>Case 2 ND Ext SNB-31 HecRamsey SN r 8A 64 2B<br/>Case 2 ND Ext SNB-31 HecRamsey SN r 8A 64 2B<br/>Case 2 ND Ext SNB-31 HecRamsey SN r 8A 64 2B<br/>Case 2 ND Ext SNB-31 HecRamsey SN r 8A 64 2B<br/>Case 2 ND Ext SNB-31 HecRamsey SN r 8A 64 2B<br/>Case 2 ND Ext 30 Allowed 0000 Off 1 ReadSectors<br/>1 SNB-31 40A 8 Allowed 0000 Of</pre> |                |  |                                |                                   |
| SWB-A0-07. If a subset of all covered drives is specified for protect the selected subset.           Test Date:         Mon Sep 29 15:12:19 2003           Test Date:         Mon Sep 29 15:12:19 2003           Test Software:         SWB-A0           Dred PC:         HecRamsey           Test Software:         SWB-10           Bard Drives         Drive 80, label 64 is a WDC WD200EB-00CSF0 with 39102336 sectors           Drive 81, label 12 is a Quantum QM39100TD-SCA Drive with 17783249 s           Commands         Boot Test PC to [Dos 7.1] Windows 98 [Version 4.10.2222]           executed:         tally13           halfs 0         test-hall SMB-31 HecRamsey SN r 8A 64 2B           Sbutdown Test PC         Monitor ENCS interrupt 13h (disk service)           tally13 compiled on 07/29/03 at 07:28:05           Now (09/29/03 at 15:12:12) Going TSR           ****** Monitor ENCS interrupt 13h (disk service)           tally13 compiled on Docked!           Hard-Disk 1 Not Locked!           Hard-Disk 1 Not Locked!           Hard-Disk 1 Not Locked!           Hard-Disk 2 N   |                |  |                                | shall not be blocked for drives   |
| then no commands from any category shall be blocked for drives<br>the selected subset.Test Date:NNTest Date:Mon Sep 29 15:12:19 2003Test Date:Mon Sep 29 15:12:19 2003Test Software:SNET 1.0Hard Drives 0, label 8A is a NDC ND200EB-00CSF0 with 39102336 sectors<br>Drive 81, label 64 is a NDC ND200EB-00CSF0 with 39102336 sectorsUsed:Drive 80, label 2A is a Quantum (M39100TD-SCA Drive with 17783249 sCommands<br>executed:Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]<br>tally13<br>halfs 0CommandsBoot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]<br>tally13 compiled on 07/29/03 at 07:28:05<br>Now (09/29/03 at 15:12:12) Going TSR<br>****** Holtor BioS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:28:05<br>Now (09/29/03 at 15:12:12) Going TSR<br>****** Install HDL Log *****<br>HDL Hard-Disk (Int.13) Write Lock V0.5 971202 (C)GKH 1993,1994,1<br>Hard-Disks reported by Int_13h<br>Hard-Disk 1 Not Locked!<br>Hard-Disk 1 Not Locked!<br>Mon Sep 29 15:12:19 2003Version: @(#) wb-defs.h Version 1.1 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SM<br>Host: HecRamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case: SNB-31 category ron drive 80 No commands blocked (0 of<br>0 SNB-31 (CAS E0 Allowed 0000 Off 1 ReadSectors<br>1 SNB-31 (CAS E0 Allowed 0000 Off 1 ReadSectors<br>1 SNB-31 (CAS E0 Allowed 0000 Off 1 ReadLong<br>2 SNB-31 (CAS E0 Allowed 0000   |                |  |                                |                                   |
| the selected subset.Tester Name:Test Date:Mon Sep 29 15:12:19 2003Test Software:SNRTest Software:SNRDrive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectorsDrive 81, label 64 is a WDC WD200EB-00CSF0 with 39102336 sectorsDrive 82, label 12 is a Quantum QM3910TD-SCA Drive with 17783249 sCommandsBoot Test PC to (DS 7.1) Windows 98 (Version 4.10.2222)executed:tally13hd15 0test-hd1 SMB-31 HecRamsey SN r 8A 64 2BShutdown Test PCShutdown Test PCLog FileMonitor BIOS interupt 13h (disk service)tally13 compiled on 07/29/03 at 07:28:05Now (09/29/03 at 15:12:12) Going TSR***** Install HDL Log *****HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1J Hard-Disk 1 Not Locked!Hard-Disk 2 Not Locked!Hard-Disk 2 Not Locked!Hard-Disk 1 Not Locked!Hard-Disk 1 Not Locked!Hard-Disk 2 Not Locked!Hard-Disk 3 Not Locked!Hard-Disk 3 Not Locked!Hard-Disk 4 Not Locked!Hard-Disk 5 NB=31 HecRamsey SN r 8A 64 2BCase: SNB=31Compiled on Aug 31 2003 at 08:10:54Operator: SNHost: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cnd Drv Action Stat Cry Count Cmd NameO SWB=31 cd2x 80 Allowed 0000 Off 1 ReadSectors1 SWB=31 cdx 80 Allowed 0000 Off 1 NetadSectors1 SWB=31 cdx 81 Allowed 0000 Off 1 NetadSectors2 SWB=31 cdx 81 Allowed 0000 Off 1 NetadSectors  |                |  |                                |                                   |
| Test Tate:         NN           Test Date:         Mon Sep 29 15:12:19 2003           Test DC:         HecRamsey           Test Software:         SMBT 1.0           Hard Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors           Drive 81, label 64 is a WDC WD200EB-00CSF0 with 39102336 sectors           Drive 82, label 28 is a Quantum QM39100TD-SCA Drive with 17783249 s           Commands           Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]           tally13           halfs 0           test-bd1 SWB-31 HecRamsey SN r 8A 64 2B           Shutdown Test PC           Log File           ***** Monitor Execution *****           Highlights:           Monitor BIOS interrupt 13h (disk service)           tally13 compiled on 07/29/03 at 07:28:05           Now (09/29/03 at 15:12:12) Going TSS           ****** Install HDL Log *****           HDL Hard-Disk 1 Not Locked!           Hard-Disk 2 Not Locked!           Hot: NTEST-HLEXK SWB-31 HecRamsey SN r 8A 64 2B           Came: SWB-31           Command set: Read           Date: Mon Sep 29 15:12:19 2003  |                |  |                                | hall be blocked for drives not in |
| Test Date:         Mon Sep 29 15:12:19 2003           Test Software:         SWBT 1.0           Hard Drives         Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors           Used:         Drive 81, label 64 is a WDC WD204AA with 12594960 sectors           Drive 81, label 64 is a WDC WD20AAA with 12594960 sectors           Drive 82, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 s           Commands         Boot Test PC to (DOS 7.1) Windows 98 (Version 4.10.2222)           test-hol SWB-31 HecRamsey SN r 8A 64 2B           Shutdown Test PC           Log File         Monitor Excention *****           Highlights:         Monitor Excention *****           Wonitor BIOS interrupt 13h (disk service)         tallyl3 compiled on 07/29/03 at 07:33:17           e(#) Version 1.1 Created 07/29/03 at 07:28:05         Now (09/29/03 at 15:12:12) Going TSR           ****** Install HDL Log *****         HDL Hard-Disks reported by Int_13h           Hard-Disk 1 Not Locked1         Hard-Disk 2 Not Locked1           Hard-Disk 2 Not Locked1         Hard-Disk 3 Not Locked1           Hard Wite Lock successfully installed.         ******           CMD: is 20 51:12:19 2003         Version 1.1 Created 08/23/03 at 10:13:51           Gase: SWB-31         Cape 15:12:19 2003           Version: e(#) test-hdl.org Version 1.1 Created 08/23/03 at 10:13:51      <   | lagtor Nama:   |  | ected subset.                  |                                   |
| Test PC:         HecRamsey           Test Software:         SWBT 1.0           Hard Drive 80, label 8A is a WDC WD200EE-00CSP0 with 39102336 sectors           Drive 81, label 64 is a WDC WD200EE-00CSP0 with 3910236 sectors           Drive 82, label 2B is a Quantum (M39100TD-SCA Drive with 17783249 s           Commands           Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]           tally13           hdl5 0           cexcuted:           tally13           hdl5 0           cexcuted:           tally13           hdl5 0           sexecuted:           tally13           monitor BTOS interrupt 13h (disk service)           Monitor BTOS interrupt 13h (disk service)           Monitor BTOS interrupt 13h (disk service)           Now (09/29/03 at 15:12:12) Going TSR           ******           HDL Hard-Disk (Int_13) Write Lock v0.5 971202 (C)GKH 1993,1994,1           Hard-Disks reported by Int_13h           Hard-Disk S Not Locked1           Hard-Disk 1 Not Locked1           Hard-Disk 2 Not Locked1 </td <td></td> <td></td> <td>15.12.10 2002</td> <td></td>  |                |  | 15.12.10 2002                  |                                   |
| Test Software:         SWBT 1.0           Hard Drives         Drive 80, label 8A is a WDC WD200EB-00CSP0 with 39102336 sectors           Drive 81, label 64 is a WDC WD204AA with 12594960 sectors         Drive 82, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 s           Commands         Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]         tally13           hdl5 0         test-hdl SWB-31 HecRamsey SN r 8A 64 2B         Shutdown Test PC           Log File         ****** Monitor Execution *****         Monitor Execution *****           Highlights:         Monitor Execution *****         Monitor Execution *****           HDL Hard-Disk 1512:12 Going TSR         ****** Install HDL Log *****           HDL Hard-Disk 1512:12 Going TSR         ******           HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1           Hard-Disk 1 Not Locked1           Hard-Disk 1 Not Locked1           Hard-Disk 1 Not Locked1           Hard-Disk 2 Not Locked1           Hard-Disk 1 Not Locked1           Hard-Disk 2 Not Locked1           Hard-Disk 2 Not Locked1           Hard-Disk 2 Not Locked1           Hard-Disk 3 Not Locked1           Hard-Disk 1 Not Locked1           Hard-Disk 2 Not Locked1           Hard-Disk 3 Not Worksion 1.2 Created 08/23/03 at 10:13:51           0(#) Wd=6fs.1 Ver   |                | -  | 15.12.19 2005                  |                                   |
| Hard Drives       Drive 80, label 64 is a WDC WD20DEB-D0CSF0 with 39102336 sectors         Used:       Drive 81, label 64 is a WDC WD64AA with 12594960 sectors         Drive 82, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 s         Commands       Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]         tally13       hd15 0         texecuted:       tally13         hd15 0       test.vd.vd.vd.vd.vd.vd.vd.vd.vd.vd.vd.vd.vd.   |                |  |                                |                                   |
| Used:       Drive 81, label 64 is a NDC WD64AA with 12594960 sectors         Drive 82, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 s         Commands         executed:         tally13         hd15 0         test-hd1 SWB-31 HecRamsey SN r 8A 64 2B         Shutdown Test PC         Log File         Highlights:         Monitor BIGS interrupt 13h (disk service)         tally13 compiled on 07/29/03 at 07:33:17         e(#) Version 1.1 Created 07/29/03 at 07:28:05         Now (09/29/03 at 15:12:12) Going TSR         ***** Install HDL Log *****         HDL - Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1   |                |  | abel 81 is a WDC WD200FB-00CS  | TO with 39102336 sectors          |
| Drive 82, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sCommandsexecuted:Hally13hdl5 0test PC to (DOS 7.1) Windows 98 (Version 4.10.2222)tally13hdl5 0test PCLOg FilefileHighlights:Monitor BLOS interrupt 13h (disk service)tally13 compiled on 07/29/03 at 07:33:17@(#) Version 1.1 Created 07/29/03 at 07:38:05Now (09/29/03 at 15:12:12) Going TSR******HDL Hard-Disk (Tnt_13) Write Lock VO.5 971202 (C)GKH 1993,1994,13 Hard-Disk 1 Not Locked!Hard-Disk 2 Not Locked!Hard-Disk 1 Not Locked!Hard-Disk 1 Not Locked!With 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 08:18:19Compiled on Aug 31 2003 at 08:10:54Operator: SWHost: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 82 Allowed 0000  |                |  |                                |                                   |
| Commands       Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]         tally13       hdl50         test-hd1 SWB-31 HecRamsey SN r 8A 64 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 (09/29/03 at 15:12:12) Going TSR         ****** Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock v0.5 971202 (C)GKH 1993,1994,1         3 Hard-Disk 1 Not Locked!         Hard-Disk 1 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 1 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         Wersion: @(#) 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         Command set: Read         Date: Mon Sep 29 15:12:19 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: SN         Host: HecR  |                |  |                                |                                   |
| executed:<br>tally13<br>hdl5 0<br>test-hdl SWB-31 HecRamsey SN r 8A 64 2B<br>Shutdown Test PC<br>Log File<br>Highlights:<br>Monitor BIOS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:33:17<br>(#) Version 1.1 Created 07/29/03 at 07:38:05<br>Now (09/29/03 at 15:12:12) Going TSR<br>****** Install HDL Log *****<br>HDL Hard-Disk reported by Int_13h<br>Hard-Disk 1 Not Locked1<br>Hard-Disk 1 Not Locked1<br>Hard-Disk 1 Not Locked1<br>Hard-Disk 2 Not Locked1<br>H-D Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:\TEST-HDL.KXE SWB-31 HecRamsey SN r 8A 64 2B<br>Case: SWB-31<br>Command set: Read<br>Date: Non Sep 29 15:12:19 2003<br>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: HecRamsey<br>Number of drives 3. Drives: 8A 64 2B<br>Case Cad Drv Action Stat Cry Count Cmd Name<br>0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <02> 8   |                |  |                                |                                   |
| hdl5 <sup>0</sup><br>test-hdl SWB-31 HecRamsey SN r 8A 64 2B<br>Shutdown Test PC<br>Log File<br>Highlights:<br>Monitor BIOS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:33:17<br>@(#) Version 1.1 Created 07/29/03 at 07:28:05<br>Now (09/29/03 at 15:12:12) Going TSR<br>***** Install HDL Log *****<br>HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1<br>3 Hard-Disk Teported by Int_13h<br>Hard-Disk 1 Not Locked!<br>Hard-Disk 2 Not Locked!<br>More Styles 2 Not Locked!<br>Hard-Disk 2 Not Locked!<br>Write Lock successfully installed.<br>***** Test Harness Log *****<br>CMD: A:\TRST-HDL.KXE SWB-31 HecRamsey SN r 8A 64 2B<br>Case: SWB-31<br>Command set: Read<br>Date: Mon Sep 29 15:12:19 2003<br>Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/23/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: HecRamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1  |                |  |                                |                                   |
| Shutdown Test PCLog 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 07:28:05Now (09/29/03 at 15:12:12) Going TSR****** Install HDL Log *****HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,13 Hard-Disks reported by Int_13hHard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,13 Hard-Disk I Not Locked!Hard-Disk 1 Not Locked!Hard-Disk 2 Not Locked!Write Hock successfully installed.***** Test Harness Log *****CMD: A:\TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2BCase: SNB-31Compiled on Aug 31 2003 at 08:10:54Operator: SNHost: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SNB-31 <02> 80 Allowed 0000 Off 1 ReadSectors1 SNB-31 <02> 80 Allowed 0000 Off 1 ReadSectors1 SNB-31 <02> 81 Allowed 0000 Off 1 ReadLong2 SNB-31 <42> 82 Allowed 0000 Off 1 Re   |                | -  |                                |                                   |
| Log File       ***** Monitor Execution *****         Mighlights:       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 (09/29/03 at 15:12:12) Going TSR         ****** Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1         3 Hard-Disk 0 Locked!         Hard-Disk 10 Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 10 Locked!         Hard-Disk 10 Locked!         Hord *****         CMD A:/TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2B         Case: SWB-31         Command set: Read         Date: Mon Sep 29 15:12:19 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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <0A> 82 A  |                | test-hdl SWI   | B-31 HecRamsey SN r 8A 64 2B   |                                   |
| 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 (09/29/03 at 15:12:12) Going TSR         ****** Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1         3 Hard-Disks reported by Int_13h         Hard-Disk 1 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         H-D Write Lock successfully installed.         ***** Test Harness Log *****         CMD A: \TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2B         Case: SWB-31         Command set: Read         Date: Mon Sep 29 15:12:19 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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SNB-31 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SNB-31 <0A> 80 Allowed 0000 off 1 ReadSectors         1 SNB-31 <0A> 81 Allowed 0000 off 1 ReadSectors         1 SNB-31 <0A> 81 Allowed 0000 off 1 ReadLong         2 SNB-31 <42> 81 Allowed 0000 off 1 ReadLong     <  |                |  |                                |                                   |
| tally13 compiled on 07/29/03 at 07:33:17         @(#) Version 1.1 Created 07/29/03 at 07:28:05         Now (09/29/03 at 15:12:12) Going TSR         ****** Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1         3 Hard-Disks reported by Int_13h         Hard-Disk 10 Locked!         Hard-Disk 2 Not Locked!         H-D Write Lock successfully installed.         ******         CMD: A:/TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2B         Case: SWB-31         Command set: Read         Date: Mon Sep 29 15:12:19 2003         Version: @(#) test-hal.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         Commiled on Aug 31 2003 at 08:10:54         Operator: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-31 c02> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-31 c0A> 80 Allowed 0000 off 1 ReadSectors         1 SWB-31 c02> 81 Allowed 0000 off 1 ReadSectors         1 SWB-31 c02> 81 Allowed 0000 off 1 ReadSectors         1 SWB-31 c02> 81 Allowed 0000 off 1 ReadSectors         1 SWB-31 c02> 81 Allowed 0000 off 1 ReadSectors         1 SWB-31 c02> 82 Allowed 00000 off 1 ReadSectors  | -              |  |                                |                                   |
| @(#) Version 1.1 Created 07/29/03 at 07:28:05         Now (09/29/03 at 15:12:12) Going TSR         ****** Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1         3 Hard-Disks reported by Int_13h         Hard-Disk 1 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         Hor P Write Lock successfully installed.         *****         CMD: A:\TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2B         Case: SWB-31         Command set: Read         Date: Mon Sep 29 15:12:19 2003         Version: @(#) vb-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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-31 <02> 80 Allowed 0000 off 1 ReadSectors         1 SWB-31 <0A> 80 Allowed 0000 off 1 ReadLong         2 SWB-31 <02> 81 Allowed 0000 off 1 ReadLong         2 SWB-31 <02> 81 Allowed 0000 off 1 ReadLong         2 SWB-31 <02> 81 Allowed 0000 off 1 ReadLong         2 SWB-31 <02> 81 Allowed 0000 off 1 ReadLong  | ighlights:     |  | -                              |                                   |
| Now (09/29/03 at 15:12:12) Going TSR****** Install HDL Log *****HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,13 Hard-Disks reported by Int_13hHard-Disk 0 Locked!Hard-Disk 1 Not Locked!Hard-Disk 2 Not Locked!Hard-Disk 2 Not Locked!Hard-Disk 2 Not Locked!H-D Write Lock successfully installed.***** Test Harness Log *****CMD: A:\TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2BCase: SWB-31Command set: ReadDate: Mon Sep 29 15:12:19 2003Version: @(#) 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 08:18:19Compiled on Aug 31 2003 at 08:10:54Operator: SNHost: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-31 c02> 80 Allowed 0000 0ff 1 ReadLong2 SWB-31 <02> 80 Allowed 0000 0ff 1 ReadLong2 SWB-31 <02> 81 Allowed 0000 0ff 1 ReadSectors1 SWB-31 c02> 81 Allowed 0000 0ff 1 ReadSectors1 SWB-31 c02> 81 Allowed 0000 0ff 1 ReadSectors1 SWB-31 c02> 82 Allowed 0000 0ff 1 ReadSectors1 SWB-31 c02> 82 Allowed 0000 0ff 1 ReadSectors1 SWB-31 c02> 82 Allowed 0000 0ff 1 ReadLong2 SWB-31 <42> 82 Allowed 0000 0ff 1 ReadLong2 SWB-31 <02> 82 Allowed 0000 0ff 1 ReadLong2 SWB-31 <02> 82 Allowed 0000 0ff 1 ReadLong2 SWB-31 <02> 82 Allowed 0000 0ff 1   |                | -  | -                              |                                   |
| <pre>***** Install HDL Log ***** HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1 3 Hard-Disk 0 Locked! Hard-Disk 1 Not Locked! Hard-Disk 1 Not Locked! Hard-Disk 2 Not Locked! H-D Write Lock successfully installed. ***** Test Harness Log ***** CMD: A:YTEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2B Case: SWB-31 Command set: Read Date: Mon Sep 29 15:12:19 2003 Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/23/03 at 10:13:51 @(#) wb-defs.h Version 1.2 Created 08/23/03 at 08:18:19 Compiled on Aug 31 2003 at 08:10:54 Operator: SN Host: HecRamsey Number of drives 3, Drives: 8A 64 2B Case Cmd Drv Action Stat Cry Count Cmd Name 0 SWB-31 &lt;02&gt; 80 Allowed 0000 Off 1 ReadSectors 1 SWB-31 &lt;02&gt; 80 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 81 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 81 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 81 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 81 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 81 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 81 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 81 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 81 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 81 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 2 SWB-31 &lt;42&gt; 83 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 2 SWB-31 &lt;42&gt; 83 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 2 SWB-31 &lt;42&gt; 83 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors 1 SWB-31 &lt;02&gt; 82 Allowed 0000 off 1 ReadSectors</pre>   |                |  |                                |                                   |
| HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,13 Hard-Disks reported by Int_13hHard-Disk 0 Locked!Hard-Disk 1 Not Locked!Hard-Disk 2 Not Locked!H-D Write Lock successfully installed.***** Test Harness Log *****CMD: A:\TRST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2BCase: SWB-31Command set: ReadDate: Mon Sep 29 15:12:19 2003Version: @(#) 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 08:18:19Compiled on Aug 31 2003 at 08:10:54Operator: SNHost: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 80 Allowed 0000 Off 1 ReadLong2 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors0 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong2 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors2 SW   |                |  | · · · · · ·                    | ISK                               |
| 3 Hard-Disks reported by Int_13h         Hard-Disk 0       Locked!         Hard-Disk 1 Not Locked!         Hard-Disk 2 Not Locked!         H-D Write Lock successfully installed.         ***** Test Harness Log *****         CMD: A:\TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2B         Case: SWB-31         Command set: Read         Date: Mon Sep 29 15:12:19 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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-31 <02> 80 Allowed 0000 0ff 1 ReadSectors         1 SWB-31 <02> 80 Allowed 0000 0ff 1 ReadLong         2 SWB-31 <02> 81 Allowed 0000 0ff 1 ReadLong         2 SWB-31 <02> 81 Allowed 0000 0ff 1 ReadLong         2 SWB-31 <02> 82 Allowed 0000 0ff 1 ReadLong         2 SWB-31 <02> 82 Allowed 0000 0ff 1 ReadLong         2 SWB-31 <02> 82 Allowed 0000 0ff 1 ReadLong         2 SWB-31 <02> 82 Allowed 0000 0ff 1 ReadLong         2 SWB-31 <02> 82 Allowed 0000 0ff 1 ReadLong         2 SWB-31 <02> 82 Allowed 0000 0ff 1 ReadLong         2 SWB-31 <02> 82 Allowed 0000 0ff 1 ReadLong         <  |                |  | -                              | 5 971202 (C)CKH 1993 1994 1997    |
| Hard-Disk 0Locked!Hard-Disk 1 Not Locked!Hard-Disk 2 Not Locked!H-D Write Lock successfully installed.***** Test Harness Log *****CMD: A:\TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2BCase: SWB-31Command set: ReadDate: Mon Sep 29 15:12:19 2003Version: @(#) 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 08:18:19Compiled on Aug 31 2003 at 08:10:54Operator: SNHost: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadLong2 SWB-31 <42> 80 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadLong2 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong2 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors2 SWB-31 <42> 80 Allowed 0000 Off 1 ReadSectors2 SWB-31 <42> 81 Allowed 0000 Off 1 ReadSectors3 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors3 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors3 SWB-31 <03> 82 Allowed 0000 Off 1 ReadSectors3 SW   |                |  |                                |                                   |
| Hard-Disk 2 Not Locked!<br>H-D Write Lock successfully installed.***** Test Harness Log *****<br>CMD: A:\TEST-HDL.EXE SWB-31 HecRamsey SN r &A 64 2B<br>Case: SWB-31<br>Command set: Read<br>Date: Mon Sep 29 15:12:19 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: HecRamsey<br>Number of drives 3, Drives: &A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-31 <02> &0 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> &0 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> &0 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> &1 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> &2 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> &2 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> &2 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> &2 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> &3 Allowed 0000 Off 1 ReadLong<br>3 drives identified   |                |  |                                |                                   |
| H-D Write Lock successfully installed.****** Test Harness Log *****CMD: A:\TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2BCase: SWB-31Command set: ReadDate: Mon Sep 29 15:12:19 2003Version: @(#) 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 08:18:19Compiled on Aug 31 2003 at 08:10:54Operator: SNHost: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadLong2 SWB-31 <42> 80 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadLong2 SWB-31 <42> 81 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadSectors1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadSectors2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadSectors3 SWB-31 <42> 82 Allowed 0000 Off 1 ReadSectors<  |                |  |                                |                                   |
| <pre>***** Test Harness Log ***** CMD: A:\TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2B Case: SWB-31 Command set: Read Date: Mon Sep 29 15:12:19 2003 Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51</pre>   |                |  |                                |                                   |
| CMD: A:\TEST-HDL.EXE SWB-31 HecRamsey SN r 8A 64 2B         Case: SWB-31         Command set: Read         Date: Mon Sep 29 15:12:19 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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <04> 80 Allowed 0000 off 1 ReadSectors         1 SWB-31 <42> 80 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 81 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 81 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 81 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 81 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 81 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 82 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 82 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 82 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 82 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 82 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 82 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 82 Allowed 0000 off 1 ReadSectors         1 SWB-31 <04> 82 Allowed 00   |                | H-D Write Lock successfully installed.                                 |                                |                                   |
| Case: SWB-31<br>Command set: Read<br>Date: Mon Sep 29 15:12:19 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54Operator: SN<br>Host: HecRamseyNumber of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 82 Allowed 0000 Off 1 Sectors<br>2 SWB-31 <02> 82 Allowed 0000 Off 1 Sectors<br>2 SWB-31 <02> 82 Allowed 0000 Off 1 Sectors<br>2 SWB-31 <02> 82 Allowed 0000 Off 1 Sectors<br>3 S   |                |  |                                |                                   |
| Command set: Read<br>Date: Mon Sep 29 15:12:19 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54Operator: SN<br>Host: HecRamseyNumber of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 84 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 84 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 84 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 84 Allowed 0000 Off 1 ReadLong<br>3 Actual Results for SWB-31 category r on drive 82 No commands blocked (0 of Summary: 9 sent, 0 blocked, 9 not blockedComparis All  |                |  | _                              | r 8A 64 2B                        |
| Date: Mon Sep 29 15:12:19 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54Operator: SN<br>Host: HecRamseyNumber of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong<br>3 drives identifiedResults:Assertion Expected Results<br>AM-07 Tool active message<br>AM-08 3 drives identified<br>3 drives identified<  |                |  |                                |                                   |
| 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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors         1 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 ReadSectors         1 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 ReadSectors         1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors         2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadSectors         3 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors         3 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <02> 80 Allowed 0000 Off  |                |  |                                |                                   |
| @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54         Operator: SN<br>Host: HecRamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors         Results for SWB-31 category r on drive 81 No commands blocked (0 of<br>0 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong         3 M-07 Tool active message  |                | Date: Mon Se   | ep 29 15:12:19 2003            |                                   |
| Operator: SN<br>Host: HecRamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 80 Allowed 0000 Off 1 ExtRead<br>Results for SWB-31 category r on drive 80 No commands blocked (0 of<br>0 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadSectors<br>2 SWB-31 <42> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadSectors<br>2 SWB-31 <42> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <42> 82 Allowed 0000 Off 1 ReadSectors<br>0 SWB-31 <42> 82 Allowed 0000 Off 1 Summary: 9 sent, 0 blocked, 9 not blocked<br>0 Summary: 9 sent, 0 blocked, 9 not blockedResults:Assertion Expected Results<br>AM-07 Tool active message<br>AM-08 3 drives identified<br>3 drives identified  |                | @(#)   | wb-defs.h Version 1.2 Create   | d 08/31/03 at 08:18:19            |
| Host: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-31 <02> 80 Allowed 0000 Off1 SWB-31 <0A> 80 Allowed 0000 Off2 SWB-31 <42> 80 Allowed 0000 OffResults for SWB-31 category r on drive 80 No commands blocked (0 of0 SWB-31 <02> 81 Allowed 0000 Off1 SWB-31 <0A> 81 Allowed 0000 Off2 SWB-31 <42> 81 Allowed 0000 Off1 SWB-31 <0A> 81 Allowed 0000 Off2 SWB-31 <42> 81 Allowed 0000 Off2 SWB-31 <02> 82 Allowed 0000 Off2 SWB-31 <02> 82 Allowed 0000 Off0 SWB-31 <02> 82 Allowed 0000 Off1 SWB-31 <0A> 82 Allowed 0000 Off1 SWB-31 <0A> 82 Allowed 0000 Off2 SWB-31 <42> 83 Allowed 0000 Off2 SWB-31 <42> 82 Allowed 0000 Off2 SWB-31 <42> 83 Allowed 0000 Off3 Summary: 9 sent, 0 blocked, 9 not blocked0 Summary: 9 sent, 0 blocked, 9 not blocked0 Summary: 9 sent, 0 blocked, 9 not blocked0 Summary: 9 sent, 0 store0 Summary: 9 sent, 0 store  |                |  |                                |                                   |
| Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-31 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWE-31 <0A> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 80 Allowed 0000 Off 1 ExtRead<br>Results for SWB-31 category r on drive 80 No commands blocked (0 of<br>0 SWB-31 <02> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 81 Allowed 0000 Off 1 ExtRead<br>Results for SWB-31 category r on drive 81 No commands blocked (0 of<br>0 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <02> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 83 Allowed 0000 Off 1 ReadLong<br>3 Commands blocked (0 of Summary: 9 sent, 0 blocked, 9 not blockedResults:Assertion Expected Results<br>AM-07 Tool active message<br>AM-08 3 drives identifiedActual Results<br>3 drive   |                | -  |                                |                                   |
| CaseCmd Drv ActionStat Cry Count Cmd Name0SWB-31 <02> 80Allowed 0000 Off1ReadSectors1SWB-31 <0A> 80Allowed 0000 Off1ReadLong2SWB-31 <42> 80Allowed 0000 Off1ExtReadResults for SWB-31 category r on drive 80No commands blocked (0 of0SWB-31 <02> 81Allowed 0000 Off11SWB-31 <02> 81Allowed 0000 Off12SWB-31 <02> 81Allowed 0000 Off12SWB-31 <02> 81Allowed 0000 Off12SWB-31 <02> 82Allowed 0000 Off12SWB-31 <02> 82Allowed 0000 Off12SWB-31 <02> 82Allowed 0000 Off10SWB-31 <02> 82Allowed 0000 Off12SWB-31 <04> 82Allowed 0000 Off12SWB-31 <04> 82Allowed 0000 Off12SWB-31 <42> 82Allowed 0000 Off12SWB-31 <42> 82Allowed 0000 Off12SWB-31 <04> 82Allowed 0000 Off12SWB-31 <42> 82Allowed 0000 Off12SWB-31 <42> 82Allowed 0000 Off12SWB-31 <42> 84Allowed 0000 Off12SWB-31 <04> 82Allowed 0000 Off12SWB-31 <04> 82Allowed 0000 Off12SWB-31 <04> 83Allowed 0000 Off13Summary: 9 sent, 0blocked, 9 not blocked4AssertionExpected  |                |  |                                |                                   |
| 1 SWB-31 <0A> 80 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 80 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 80 No commands blocked (0 of0 SWB-31 <02> 81 Allowed 0000 Off1 ReadSectors1 SWB-31 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 81 No commands blocked (0 of0 SWB-31 <02> 82 Allowed 0000 Off1 ReadSectors1 SWB-31 <02> 82 Allowed 0000 Off1 ReadSectors1 SWB-31 <02> 82 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 82 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 82 No commands blocked (0 of0 SWB-31 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 82 No commands blocked (0 ofSummary: 9 sent, 0 blocked, 9 not blockedResults:Assertion Expected ResultsActual ResultsM-07Tool active messageM-083 drives identified3 drives identified  |                |  |                                | Cmd Name                          |
| 2 SWB-31 <42> 80 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 80 No commands blocked (0 of0 SWB-31 <02> 81 Allowed 0000 Off1 ReadSectors1 SWB-31 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 81 No commands blocked (0 of0 SWB-31 <02> 82 Allowed 0000 Off1 ReadSectors1 SWB-31 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 82 Allowed 0000 Off1 ReadLong2 SWB-31 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 82 No commands blocked (0 ofSummary: 9 sent, 0 blocked, 9 not blockedResults:AssertionAssertionExpected ResultsActual ResultsAm-07Tool active messageTool active messageAm-083 drives identified3 drives identified  |                | -  |                                |                                   |
| Results for SWB-31 category r on drive 80 No commands blocked (0 of<br>0 SWB-31 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 81 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 81 Allowed 0000 Off 1 ExtRead<br>Results for SWB-31 category r on drive 81 No commands blocked (0 of<br>0 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-31 <42> 82 Allowed 0000 Off 1 ExtRead<br>Results for SWB-31 category r on drive 82 No commands blocked (0 of<br>Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected Results<br>Actual ResultsActual ResultsM-07Tool active message<br>Am-08Tool active message<br>3 drives identified3 drives identified  |                | -  |                                |                                   |
| 0 SWB-31 <02> 81 Allowed 0000 Off1 ReadSectors1 SWB-31 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 81 No commands blocked (0 of0 SWB-31 <02> 82 Allowed 0000 Off1 ReadSectors1 SWB-31 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 82 Allowed 0000 Off1 ReadLong2 SWB-31 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 82 No commands blocked (0 ofSummary: 9 sent, 0 blocked, 9 not blockedResults:Assertion Expected ResultsActual ResultsAm-07Tool active messageAm-083 drives identified3 drives identified  |                |  |                                |                                   |
| 1 SWB-31 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 81 No commands blocked (0 of0 SWB-31 <02> 82 Allowed 0000 Off1 ReadSectors1 SWB-31 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-31 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 82 No commands blocked (0 ofSWB-31 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-31 category r on drive 82 No commands blocked (0 ofSummary: 9 sent, 0 blocked, 9 not blockedResults:Assertion Expected ResultsActual ResultsAm-07Tool active messageAm-083 drives identified3 drives identified   |                | Results for SWB-31 category r on drive 80 No commands blocked (0 of 3) |                                |                                   |
| 2 SWB-31 <42> 81 Allowed 0000 Off       1 ExtRead         Results for SWB-31 category r on drive 81 No commands blocked (0 of         0 SWB-31 <02> 82 Allowed 0000 Off       1 ReadSectors         1 SWB-31 <0A> 82 Allowed 0000 Off       1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off       1 ExtRead         Results for SWB-31 category r on drive 82 No commands blocked (0 of         Summary: 9 sent, 0 blocked, 9 not blocked         Results:         Assertion         Expected Results         Actual Results         Am-07         Tool active message         Am-08       3 drives identified   |                |  |                                |                                   |
| Results for SWB-31 category r on drive 81 No commands blocked (0 of 0 SWB-31 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-31 <0A> 82 Allowed 0000 Off 1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off 1 ExtRead         Results for SWB-31 category r on drive 82 No commands blocked (0 of Summary: 9 sent, 0 blocked, 9 not blocked         Results:         Assertion         Expected Results         Actual Results         Am-07         Tool active message         Am-08       3 drives identified   |                | -  |                                |                                   |
| 0 SWB-31 <02> 82 Allowed 0000 Off       1 ReadSectors         1 SWB-31 <0A> 82 Allowed 0000 Off       1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off       1 ExtRead         Results for SWB-31 category r on drive 82 No commands blocked (0 of Summary: 9 sent, 0 blocked, 9 not blocked         Results:       Assertion         Expected Results       Actual Results         AM-07       Tool active message         AM-08       3 drives identified       3 drives identified   |                |  |                                |                                   |
| 1 SWB-31 <0A> 82 Allowed 0000 Off       1 ReadLong         2 SWB-31 <42> 82 Allowed 0000 Off       1 ExtRead         Results for SWB-31 category r on drive 82 No commands blocked (0 of Summary: 9 sent, 0 blocked, 9 not blocked         Results:       Assertion         Expected Results       Actual Results         AM-07       Tool active message         AM-08       3 drives identified   |                |  |                                |                                   |
| 2 SWB-31 <42> 82 Allowed 0000 Off       1 ExtRead         Results for SWB-31 category r on drive 82 No commands blocked (0 of Summary: 9 sent, 0 blocked, 9 not blocked         Results:       Assertion         Expected Results       Actual Results         AM-07       Tool active message         AM-08       3 drives identified  |                |  |                                |                                   |
| Results for SWB-31 category r on drive 82 No commands blocked (0 of 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  |                |  |                                | -                                 |
| Summary: 9 sent, 0 blocked, 9 not blocked         Results:       Assertion         Assertion       Expected Results         AM-07       Tool active message         AM-08       3 drives identified         3 drives identified       3 drives identified   |                |  |                                |                                   |
| AM-07Tool active messageTool active messageAM-083 drives identified3 drives identified  |                |  |                                |                                   |
| AM-07Tool active messageTool active messageAM-083 drives identified3 drives identified  |                |  |                                |                                   |
| AM-07Tool active messageTool active messageAM-083 drives identified3 drives identified  | esults:        | Assertion  | Expected Results               | Actual Results                    |
| AM-08 3 drives identified 3 drives identified   |                |  |                                |                                   |
| AM-09 Drive 80 is protected Drive 80 is protected   |                | 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 81 is unprotected        | Drive 81 is unprotected           |
| AM-09 Drive 82 is unprotected Drive 82 is unprotected   |                | AM-09  | Drive 82 is unprotected        | Drive 82 is unprotected           |
| AM-11 0 Commands return fail 0 Commands return fail   |                | AM-11  | 0 Commands return fail         | 0 Commands return fail            |

| Case SWB-31 HD | L Hard-Dis  | sk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997 |
|----------------|-------------|--|
|                | 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 Expe | ected results achieved                                   |

| Case SWB-32 HDL       | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|-----------------------|--|
| Case summary:         | SWB-32 Install three drives, configure return code to success, protect   |
|                       | with pattern UPU, execute read commands.   |
| Assertions<br>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<br>commands and the tool blocks a command then the return code shall                                     |
|                       | indicate successful command execution.<br>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<br>in the selected subset.  |
|                       | SWB-AO-07. If a subset of all covered drives is specified for protection,<br>then no commands from any category shall be blocked for drives not in<br>the selected subset. |
| Tester Name:          | SN   |
| Test Date:            | Mon Sep 29 15:09:22 2003   |
| Test PC:              | HecRamsey  |
| Test Software:        | SWBT 1.0   |
| Hard Drives<br>Used:  | Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors<br>Drive 81, label 64 is a WDC WD64AA with 12594960 sectors   |
| a 1                   | Drive 82, label 2B is a Quantum QM39100TD-SCA Drive with 17783249 sectors  |
| Commands<br>executed: | Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]<br>tally13<br>hdl5 S1   |
|                       | test-hdl SWB-32 HecRamsey SN r 8A 64 2B<br>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<br>Now (09/29/03 at 15:09:16) Going TSR  |
|                       | ***** Install HDL Log *****  |
|                       | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997<br>3 Hard-Disks reported by Int_13h  |
|                       | Hard-Disk 0 Not Locked!  |
|                       | Hard-Disk 1 Locked!<br>Hard-Disk 2 Not Locked!   |
|                       | H-D Write Lock successfully installed.   |
|                       | ***** Test Harness Log *****   |
|                       | CMD: A:\TEST-HDL.EXE SWB-32 HecRamsey SN r 8A 64 2B<br>Case: SWB-32  |
|                       | Command set: Read  |
|                       | Date: Mon Sep 29 15:09:22 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<br>Operator: SN  |
|                       | Host: HecRamsey  |
|                       | Number of drives 3, Drives: 8A 64 2B   |
|                       | Case Cmd Drv Action Stat Cry Count Cmd Name  |
|                       | 0 SWB-32 <02> 80 Allowed 0000 Off 1 ReadSectors  |
|                       | 1 SWB-32 <oa> 80 Allowed 0000 Off 1 ReadLong</oa>  |
|                       | 2 SWB-32 <42> 80 Allowed 0000 Off 1 ExtRead  |
|                       | Results for SWB-32 category r on drive 80 No commands blocked (0 of 3)<br>0 SWB-32 <02> 81 Allowed 0000 Off 1 ReadSectors  |
|                       | 1 SWB-32 <0A> 81 Allowed 0000 Off 1 ReadLong   |
|                       | 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)   |
|                       | 0 SWB-32 <02> 82 Allowed 0000 Off 1 ReadSectors  |
|                       | 1 SWB-32 <oa> 82 Allowed 0000 Off 1 ReadLong</oa>  |

| Case SWB-32 HDL | Hard-Dis    | x (Int_13) Write Lock V0.5 971 | 202 (C)GKH 1993,1994,1997      |
|-----------------|-------------|--------------------------------|--------------------------------|
|                 | 2 SWB-32    | <42> 82 Allowed 0000 Off 1     | l ExtRead                      |
|                 | Results for | SWB-32 category r on drive 82  | 2 No commands blocked (0 of 3) |
|                 | Summary: 9  | sent, 0 blocked, 9 not blocked | 1                              |
|                 |             |                                |                                |
|                 |             |                                |                                |
| 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 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 81 blocked    | No 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    |
| Analysis:       | SWB-32 Expe | cted results achieved          |                                |

| Case SWB-33 HDI | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|-----------------|--|
|                 | SWB-33 Install three drives, configure return code to failure, protect   |
| Case summary:   |  |
|                 | 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  |
|                 | 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:    | SN   |
|                 | Mon Sep 29 15:06:20 2003   |
| Test Date:      |  |
| Test PC:        | HecRamsey  |
| Test Software:  | SWBT 1.0   |
| Hard Drives     | Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors   |
| Used:           | Drive 81, label 64 is a WDC WD64AA with 12594960 sectors   |
|                 | Drive 82, 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  |
|                 | hdl5 2   |
|                 | test-hdl SWB-33 HecRamsey SN r 8A 64 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 (09/29/03 at 15:06:13) Going TSR   |
|                 | ***** Install HDL Log *****  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|                 | 3 Hard-Disks reported by Int_13h   |
|                 | Hard-Disk 0 Not Locked!  |
|                 | Hard-Disk 1 Not Locked!  |
|                 | Hard-Disk 2 Locked!  |
|                 | H-D Write Lock successfully installed.   |
|                 | ***** Test Harness Log *****   |
|                 |  |
|                 | CMD: A:\TEST-HDL.EXE SWB-33 HecRamsey SN r 8A 64 2B  |
|                 | Case: SWB-33   |
|                 | Command set: Read  |
|                 | Date: Mon Sep 29 15:06:20 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: SN   |
|                 | Host: HecRamsey  |
| A               | $(1 + f - 7) \qquad $ |

| Case SWB-33 HDL | Hard-Dis    | (Int_13) Write Lock V0.5 971    | .202 (C)GKH 1993,1994,1997     |
|-----------------|-------------|---------------------------------|--------------------------------|
|                 | Number of d | rives 3, Drives: 8A 64 2B       |                                |
|                 | Case        | Cmd Drv Action Stat Cry Count   | Cmd Name                       |
|                 |             | <02> 80 Allowed 0000 Off        |                                |
|                 |             | <oa> 80 Allowed 0000 Off</oa>   | -                              |
|                 |             | <42> 80 Allowed 0000 Off        |                                |
|                 |             | <b>3 1</b>                      | ) No commands blocked (0 of 3) |
|                 |             | <02> 81 Allowed 0000 Off 1      |                                |
|                 |             | <oa> 81 Allowed 0000 Off 1</oa> | 5                              |
|                 |             | <42> 81 Allowed 0000 Off 1      |                                |
|                 |             |                                 | l No commands blocked (0 of 3) |
|                 |             | <02> 82 Allowed 0000 Off 1      |                                |
|                 |             | <0A> 82 Allowed 0000 Off 1      | 5                              |
|                 |             |                                 | L ExtRead                      |
|                 |             | 5 1                             | 2 No commands blocked (0 of 3) |
|                 | Summary: 9  | sent, 0 blocked, 9 not blocked  | 1                              |
|                 |             |                                 |                                |
| 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        |
|                 | 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 Expe | cted results achieved           |                                |

| Case SWB-34 HDI | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                 |  |  |  |
|-----------------|---|--|--|--|
| Case summary:   | SWB-34 Install three drives, configure return code to success, protect          |  |  |  |
|                 | 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.   |  |  |  |
|                 | 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:    | SN  |  |  |  |
| Test Date:      | Mon Sep 29 15:03:27 2003  |  |  |  |
| Test PC:        | HecRamsey   |  |  |  |
| Test Software:  | SWBT 1.0  |  |  |  |
| Hard Drives     | Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors                |  |  |  |
| Used:           | Drive 81, label 64 is a WDC WD64AA with 12594960 sectors                        |  |  |  |
|                 | Drive 82, 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   |  |  |  |
|                 | hdl5 S12  |  |  |  |
|                 | test-hdl SWB-34 HecRamsey SN r 8A 64 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 (09/29/03 at 15:03:20) Going TSR<br>***** Install HDL Log *****             |  |  |  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997             |  |  |  |
|                 | 3 Hard-Disks reported by Int_13h  |  |  |  |
|                 | Hard-Disks reported by Int_13h<br>Hard-Disk 0 Not Locked!                       |  |  |  |
|                 | Hard-Disk 1 Locked!   |  |  |  |
|                 | Hard-Disk 2 Locked!   |  |  |  |
| 4 4 2004        |   |  |  |  |

| AM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 81 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked  | a au - 0.4      |              |                                | 000 (0) 0000 1000 1000      |  |
|---|-----------------|--------------|--------------------------------|-----------------------------|--|
| ***** Test Harness Log *****         CMD: A:\TEST-HDL.EXE SWB-34 HecRamsey SN r 8A 64 2B         Case: SWB-34         Command set: Read         Date: Mon Sep 29 15:03:27 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51         @(#) wb-defs.h Version 1.2 Created 08/23/03 at 00:13:51         @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19         Compiled on Aug 31 2003 at 08:10:54         Operator: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SNB-34 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 81 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 81 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 81 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SNB-34 <02> 82 Allowed 0000 Off 1 Re   | Case SWB-34 HDL |              |                                |                             |  |
| CMD: A:\TEST-HDL.EXE WB-34 HecRamsey SN r 8A 64 2B         Case: SWB-34         Command set: Read         Date: Mon Sep 29 15:03:27 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51  |                 |              |                                |                             |  |
| Case: SWB-34         Command set: Read         Date: Mon Sep 29 15:03:27 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51   |                 |              | 5                              |                             |  |
| Command set: Read         Date: Mon Sep 29 15:03:27 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51             @(#) wb-defs.h Version 1.2 Created 08/23/03 at 08:18:19             Compiled on Aug 31 2003 at 08:10:54         Operator: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-34 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 80 Allowed 0000 off 1 ReadLong         2 SWB-34 <02> 80 Allowed 0000 off 1 ReadLong         2 SWB-34 <02> 80 Allowed 0000 off 1 ReadLong         2 SWB-34 <02> 81 Allowed 0000 off 1 ReadSectors         1 SWB-34 <02> 81 Allowed 0000 off 1 ReadLong         2 SWB-34 <42> 81 Allowed 0000 off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 off 1 Sected         Results for SWB-34 category r on drive 81 No commands blocked (0 of 3)         0 SWB-34 <02> 82 Allowed 0000 off 1 Sected         Results for SWB-34 category r on drive 81 No commands blocked (0 of 3)         Summary: 9 sent,   |                 |              | _                              | r 8A 64 2B                  |  |
| Pate: Mon Sep 29 15:03:27 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54         Operator: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B<br>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 ReadSectors         2 SWB-34 <22> 80 Allowed 0000 Off 1 ReadLong         2 SWB-34 <02> 81 Allowed 0000 Off 1 ReadLong         2 SWB-34 <02> 81 Allowed 0000 Off 1 ReadLong         2 SWB-34 <02> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors  |                 |              | -                              |                             |  |
| 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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWE-34 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SWE-34 <0A> 80 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 80 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 81 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 81 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 81 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 81 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 82 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 82 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 82 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 82 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 82 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 82 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 82 Allowed 0000 Off 1 ReadLong         2 SWE-34 <02> 82 Allowed Domo Off 1 ReadLong         2 SWE-34 <02> 80 Allowed Domo Off 1 ReadLong         2 SWE-34 <02> 80 Allowed Domo Off 1 ReadLong         2 SWE-34 <02> 80 Allowed Domo Off 1 ReadLong         2 SWE-34 <02> 80 Allowed Domo Off 1 ReadLong         2 S   |                 |              |                                |                             |  |
| @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54         Operator: SM<br>Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-34 <02> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 80 Allowed 0000 Off 1 ReadSectors         2 SWB-34 <42> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 80 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 81 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 82 Allowed 0000 Off 1 ReadLong         2 SWB-34 <42> 82 Allowed 0000 Off 1 ReadLong         2 SWB-34 <42> 83 Allowed 0000 Off 1 ReadLong         2 SWB-34 <42> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-34 <0A> 83 Arives identified         Am-07 Tool active message         M-07 Tool active message   |                 | Date: Mon Se | ep 29 15:03:27 2003            |                             |  |
| Compiled on Aug 31 2003 at 08:10:54Operator: SNHost: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWE-34 <02> 80 Allowed 0000 Off 1 ReadSectors1 SWB-34 <02> 80 Allowed 0000 Off 1 ReadLong2 SWE-34 <02> 80 Allowed 0000 Off 1 ReadLong2 SWE-34 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWE-34 <02> 81 Allowed 0000 Off 1 ReadLong2 SWE-34 <02> 81 Allowed 0000 Off 1 ReadLong2 SWE-34 <02> 81 Allowed 0000 Off 1 ReadLong2 SWE-34 <02> 82 Allowed 0000 Off 1 ReadLongSWE-34 <02> 82 Allowed 0000 Off 1 ReadLongSWE-34 <02> 82 Allowed 0000 Off 1 ReadLongSWE-34 <02> 82 Allowed   |                 | Version: @(: | #) test-hdl.cpp Version 1.1 Cr | reated 08/23/03 at 10:13:51 |  |
| Operator: SNHost: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-34 <02> 80 Allowed 0000 Off 1 ReadLong2 SWB-34 <42> 80 Allowed 0000 Off 1 ExtReadResults for SWB-34 category r on drive 80 No commands blocked (0 of 3)0 SWB-34 <02> 81 Allowed 0000 Off 1 ReadLong2 SWB-34 <42> 81 Allowed 0000 Off 1 ReadLong2 SWB-34 <02> 81 Allowed 0000 Off 1 ReadLong2 SWB-34 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-34 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-34 <02> 82 Allowed Dolo Off 1 ReadSectors2 SWB-34 <42> 82 Allowed Dolo Off 1 ReadSectors3 Summary: 9 sent, 0 blocked, 9 not blockedM-09 Drive 80 is unprotected Drive 81 is protectedMM-09 Drive 80 is unprotec  |                 | @(#)         | wb-defs.h Version 1.2 Create   | d 08/31/03 at 08:18:19      |  |
| Host: HecRamseyNumber of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name0 SWB-34 <02> 80 Allowed 0000 Off1 SWB-34 <0A> 80 Allowed 0000 Off2 SWB-34 <42> 80 Allowed 0000 Off1 SWB-34 <0A> 80 Allowed 0000 Off1 SWB-34 <0A> 80 Allowed 0000 Off1 SWB-34 <0A> 81 Allowed 0000 Off1 SWB-34 <0A> 81 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 81 Allowed 0000 Off2 SWB-34 <42> 81 Allowed 0000 Off1 SWB-34 <0A> 82 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 Off1 SWB-34 <0A> 82 Allowed 0000 Off2 SWB-34 <42> 82 Allowed 0000 Off2 SWB-34 <42> 82 Allowed 0000 Off2 SWB-34 <42> 82 Allowed 0000 Off3 Summary: 9 sent, 0 blocked, 9 not blockedM-07Tool active messageM-083 drives identifiedM-09Drive 80 is unprotectedM-09Drive 81 is protectedM-09Drive 82 is protectedM-04No cmds to drive 82 blockedNo-04No cmds to drive 82 blockedNo-04No cmds to drive 80 blockedNo-07No cmds to drive 80 blocked   |                 | Comp         | iled on Aug 31 2003 at 08:10:  | 54                          |  |
| Number of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-34 <02> 80 Allowed 0000 Off 1 ReadLong2 SWB-34 <04> 80 Allowed 0000 Off 1 ReadLong2 SWB-34 <02> 80 Allowed 0000 Off 1 ReadLong2 SWB-34 <02> 80 Allowed 0000 Off 1 ReadSectors1 SWB-34 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors1 SWB-34 <03> 82 Allowed 0000 Off 1 ReadSectors1 SWB-34 <04> 82 Allowed 0000 Off 1 ReadSectors1 SWB-34 <04> 82 Allowed 0000 Off 1 ReadSectors1 SWB-34 <04> 82 Allowed 0000 Off 1 ReadSectors1 SWB-34 <03> 82 Allowed 0000 Off 1 ReadSectors1 SWB-34 <04> 82 Allowed 0000 Off 1 ReadSectors2 SWB-34 <052 SWB-34 <04> 82 Allowed 0000 Off 1 ReadSectors3 Summary: 9 sent, 0 blocked No cmd stors commands blocked (0 of 3) </th <th></th> <th>Operator: SI</th> <th>N</th> <th></th> |                 | Operator: SI | N                              |                             |  |
| Case Cmd Drv Action Stat Cry Count Cmd Name0 SWE-34 <02> 80 Allowed 0000 Off1 ReadSectors1 SWE-34 <0A> 80 Allowed 0000 Off1 ReadLong2 SWE-34 <42> 80 Allowed 0000 Off1 ExtReadResults for SWE-34 category r on drive 80 No commands blocked (0 of 3)0 SWE-34 <02> 81 Allowed 0000 Off0 SWE-34 <02> 81 Allowed 0000 Off1 ReadSectors1 SWE-34 <02> 81 Allowed 0000 Off1 ReadSectors1 SWE-34 <02> 81 Allowed 0000 Off1 ReadSectors1 SWE-34 <02> 82 Allowed 0000 Off1 ReadSectors2 SWE-34 <02> 82 Allowed 0000 Off1 ReadSectors3 SwE-34 <02> 82 Allowed 0000 Off1 ReadSectors3 SwE-34 <02> 82 Allowed 0000 Off1 ReadSectors3 SwE-34 <02> 82 Allowed 0000 Off1 Sectors3 SwE-34 <02> 82 Allowed 0000 Off1 Sectors4 Avon1 Sectors2 Sectors3 Artus for SWE-34 category r on drive 82  |                 | Host: HecRa  | nsey                           |                             |  |
| 0 SWB-34 <02> 80 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 80 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 80 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 80 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 80 No commands blocked (0 of 3)0 SWB-34 <02> 81 Allowed 0000 Off1 SWB-34 <0A> 81 Allowed 0000 Off1 ReadSectors1 SWB-34 <42> 81 Allowed 0000 Off1 ReadSectors2 SWB-34 <42> 81 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 Off1 ReadSectors1 SWB-34 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)0 SWB-34 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedNo0 Surves identifiedAm-07Tool active messageAm-083 drives identifiedAm-09Drive 80 is unprotectedAm-09Drive 81 is protectedAm-09Drive 81 is protectedAm-100 Commands return successAD-04No cmds to drive 82 blockedAD-04No cmds to drive 82 blockedAD-07No cmds to drive 82 blockedAD-07No cmds to drive 82 blocked   |                 | ,            |                                |                             |  |
| 1 SWB-34 <0A> 80 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 80 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 80 No commands blocked (0 of 3)0 SWB-34 <02> 81 Allowed 0000 Off0 SWB-34 <0A> 81 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 81 No commands blocked (0 of 3)0 SWB-34 <0A> 82 Allowed 0000 Off0 SWB-34 <0A> 82 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedM-07Tool active messageM-083 drives identifiedAM-07Tool active messageM-09Drive 80 is unprotectedAM-09Drive 81 is protectedAM-09Drive 81 is protectedAM-09Drive 81 is protectedAM-09Drive 81 is protectedAM-09Drive 81 is protectedAM-00Drive 81 is protectedAM-04No cmds to drive 81 blockedNo Cods to drive 81 blockedNo cmds to drive 82 blockedAO-04No cmds to drive 82 blockedAO-07No cmds to drive 80 blocked   |                 | Case (       | Cmd Drv Action Stat Cry Count  | c Cmd Name                  |  |
| 2 SWB-34 <42> 80 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 80 No commands blocked (0 of 3)0 SWB-34 <02> 81 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 81 No commands blocked (0 of 3)0 SWB-34 <02> 82 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 82 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)0 SWB-34 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedM-07Tool active messageTool active messageTool active messageAM-083 drives identifiedAM-09Drive 80 is unprotectedAM-09Drive 81 is protectedAM-09Drive 82 is protectedAM-04No cmds to drive 81 blockedAO-04No cmds to drive 81 blockedAO-04No cmds to drive 82 blockedAO-07No cmds to drive 80 blockedAO-07No cmds to drive 80 blocked   |                 |              |                                |                             |  |
| Results for SWB-34 category r on drive 80 No commands blocked (0 of 3)0 SWB-34 <02> 81 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 81 Allowed 0000 Off1 ReatReadResults for SWB-34 category r on drive 81 No commands blocked (0 of 3)0 SWB-34 <02> 82 Allowed 0000 Off0 SWB-34 <02> 82 Allowed 0000 Off1 ReadSectors1 SWB-34 <02> 82 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 82 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedM-07Tool active messageM-083 drives identifiedAM-07Tool active messageM-083 drives identifiedAM-09Drive 80 is unprotectedAM-09Drive 81 is protectedAM-09Drive 81 blockedAM-04No cmds to drive 81 blockedAM-05No cmds to drive 81 blockedAM-06No cmds to drive 81 blockedAM-07No cmds to drive 82 blockedAM-09Drive 82 is protectedAM-09Drive 81 blockedAM-09No cmds to drive 81 blockedAM-07No cmds to drive 82 blockedAM-07No cmds to drive 82 blockedAM-07No cmds to drive 82 blocked   |                 |              |                                | 5                           |  |
| 0 SWB-34 <02> 81 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 81 No commands blocked (0 of 3)0 SWB-34 <02> 82 Allowed 0000 Off0 SWB-34 <0A> 82 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedNormary: 9 sent, 0 blocked, 9 not blockedAm-07Tool active messageTool active messageAm-083 drives identifiedAm-09Drive 80 is unprotectedDrive 81 is protectedDrive 80 is unprotectedAm-09Drive 81 is protectedAm-100 Commands return successAO-04No cmds to drive 81 blockedAO-04No cmds to drive 82 blockedAO-07No cmds to drive 80 blockedAO-07No cmds to drive 80 blocked  |                 |              |                                |                             |  |
| 1 SWB-34 <0A> 81 Allowed 0000 off1 ReadLong2 SWB-34 <42> 81 Allowed 0000 off1 ExtReadResults for SWB-34 category r on drive 81 No commands blocked (0 of 3)0 SWB-34 <02> 82 Allowed 0000 off1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 off1 ReadLong2 SWB-34 <42> 82 Allowed 0000 off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedNummary: 9 sent, 0 blocked, 9 not blockedAssertionExpected ResultsActual ResultsAm-07Tool active messageTool active messageAm-083 drives identifiedAm-09Drive 80 is unprotectedDrive 80 is unprotectedDrive 80 is unprotectedAm-09Drive 81 is protectedAm-09Drive 82 is protectedAm-100 Commands return successAo-04No cmds to drive 81 blockedNo cmds to drive 82 blockedNo cmds to drive 80 blocked  |                 |              | 3 1                            | · · · · ·                   |  |
| 2 SWB-34 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 81 No commands blocked (0 of 3)0 SWB-34 <02> 82 Allowed 0000 Off1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionAssertionExpected ResultsAM-07Tool active messageAM-083 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedAM-100 Commands return successAO-04No cmds to drive 81 blockedAO-07No cmds to drive 82 blockedAO-07No cmds to drive 82 blockedAO-07No cmds to drive 80 blockedAO-07No cmds to drive 80 blocked  |                 |              |                                |                             |  |
| Results for SWB-34 category r on drive 81 No commands blocked (0 of 3)<br>0 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-34 <0A> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-34 <42> 82 Allowed 0000 Off 1 ExtRead<br>Results for SWB-34 category r on drive 82 No commands blocked (0 of 3)<br>Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected Results<br>Am-07<br>Tool active message<br>Am-08<br>3 drives identified<br>Am-09Actual Results<br>Drive 80 is unprotected<br>Drive 80 is unprotected<br>Drive 80 is unprotected<br>Am-09Am-09Drive 81 is protected<br>Drive 81 is protected<br>  |                 |              |                                |                             |  |
| 0 SWB-34 <02> 82 Allowed 0000 Off 1 ReadSectors1 SWB-34 <0A> 82 Allowed 0000 Off 1 ReadLong2 SWB-34 <42> 82 Allowed 0000 Off 1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected ResultsAM-07Tool active messageAM-083 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedAM-09Drive 82 is protectedAM-100 Commands return successAO-04No cmds to drive 81 blockedAO-07No cmds to drive 82 blockedAO-07No cmds to drive 80 blockedAO-07No cmds to drive 80 blocked   |                 |              |                                |                             |  |
| 1 SWB-34 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-34 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-34 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected ResultsActual ResultsAM-07Tool active messageAM-083 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedAM-09Drive 82 is protectedAM-100 Commands return successAO-04No cmds to drive 81 blockedAO-04No cmds to drive 82 blockedAO-07No cmds to drive 80 blocked   |                 |              | 5 1                            | · , ,                       |  |
| 2 SWB-34 <42> 82 Allowed 0000 Off       1 ExtRead         Results for SWB-34 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       Tool active message         AM-08       3 drives identified         AM-09       Drive 80 is unprotected         Drive 80       is protected         AM-09       Drive 81 is protected         AM-09       Drive 82 is protected         AM-00       O commands return success         AO-04       No cmds to drive 81 blocked         AO-04       No cmds to drive 82 blocked         AO-07       No cmds to drive 80 blocked   |                 |              |                                |                             |  |
| Results for SWB-34 category r on drive 82 No commands blocked (0 of 3)<br>Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected ResultsActual ResultsAM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 81 blockedNo cmds to drive 82 blockedAO-04No cmds to drive 82 blockedNo cmds to drive 80 blocked  |                 |              |                                | 3                           |  |
| Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected ResultsActual ResultsAM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-09No cmds to drive 81 blockedNo cmds to drive 81 blockedAM-04No cmds to drive 82 blockedNo cmds to drive 82 blockedAO-04No cmds to drive 80 blockedNo cmds to drive 80 blocked   |                 |              |                                |                             |  |
| Results:AssertionExpected ResultsActual ResultsAM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-09No cmds to drive 81 blockedNo cmds to drive 81 blockedAM-04No cmds to drive 82 blockedNo cmds to drive 82 blockedAO-04No cmds to drive 80 blockedNo cmds to drive 80 blocked   |                 |              |                                |                             |  |
| AM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 81 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked  |                 | Summary: 9   | sent, 0 blocked, 9 not blocked | d                           |  |
| AM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 81 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked  |                 |              |                                |                             |  |
| AM-083 drives identified3 drives identifiedAM-09Drive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 81 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked   | Results:        | Assertion    | Expected Results               | Actual Results              |  |
| AM-09Drive 80 is unprotectedDrive 80 is unprotectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 81 blockedNo cmds to drive 82 blockedAO-04No cmds to drive 82 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked   |                 | AM-07        | Tool active message            | Tool active message         |  |
| AM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is protectedDrive 82 is protectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-04No cmds to drive 82 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked  |                 | AM-08        | 3 drives identified            | 3 drives identified         |  |
| AM-09Drive 82 is protectedDrive 82 is protectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-04No cmds to drive 82 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked   |                 | AM-09        | Drive 80 is unprotected        | Drive 80 is unprotected     |  |
| AM-100 Commands return success0 Commands return successAO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-04No cmds to drive 82 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked  |                 | AM-09        | Drive 81 is protected          | Drive 81 is protected       |  |
| AO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-04No cmds to drive 82 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked   |                 | AM-09        | Drive 82 is protected          | Drive 82 is protected       |  |
| AO-04No cmds to drive 82 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 80 blockedNo cmds to drive 80 blocked  |                 | AM-10        | 0 Commands return success      | 0 Commands return success   |  |
| AO-07 No cmds to drive 80 blocked No cmds to drive 80 blocked   |                 | AO-04        | No cmds to drive 81 blocked    | No cmds to drive 81 blocked |  |
|   |                 | AO-04        | No cmds to drive 82 blocked    | No cmds to drive 82 blocked |  |
| Analysis: SWB-34 Expected results achieved  |                 | AO-07        | No cmds to drive 80 blocked    | No cmds to drive 80 blocked |  |
|   | Analysis:       | SWB-34 Expe  | cted results achieved          |                             |  |

| Case SWB-35 HDL | Hard-Disk (Int 13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997           |  |  |
|-----------------|---|--|--|
| Case summary:   | SWB-35 Install three drives, configure return code to failure, protect    |  |  |
| Cabe Summary    | 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:    | SN  |  |  |
| Test Date:      | Mon Sep 29 15:00:07 2003  |  |  |
| Test PC:        | HecRamsey   |  |  |
| Test Software:  | SWBT 1.0  |  |  |
| Hard Drives     | Drive 80, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors          |  |  |
| Used:           | Drive 81, label 64 is a WDC WD64AA with 12594960 sectors                  |  |  |
|                 | Drive 82, 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   |  |  |
|                 | hdl5 02   |  |  |
|                 | test-hdl SWB-35 HecRamsey SN r 8A 64 2B                                   |  |  |

| Case SWB-35 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997        |  |                                |
|-----------------|--|--|--------------------------------|
|                 | Shutdown Te  |  |                                |
| Log File        | **** Monito  | or Execution *****   |                                |
| Highlights:     | Monitor BIO  | S interrupt 13h (disk service)                             | )                              |
|                 | tally13 com  | mpiled on 07/29/03 at 07:33:17                             | 7                              |
|                 | @(#) Version   | n 1.1 Created 07/29/03 at 07:2                             | 28:05                          |
|                 | Now (09/29/  | 03 at 15:00:00) Going 1                                    | ſSR                            |
|                 | ***** Insta  | ll HDL Log ****  |                                |
|                 | HDL Hard   | -Disk (Int_13) Write Lock V0.5                             | 5 971202 (C)GKH 1993,1994,1997 |
|                 | 3 Ha:  | rd-Disks reported by Int_13h                               |                                |
|                 | Hard   | -Disk 0 Locked!  |                                |
|                 | Hard   | -Disk 1 Not Locked!  |                                |
|                 | Hard   | -Disk 2 Locked!  |                                |
|                 | H-D  | Write Lock successfully instal                             | lled.                          |
|                 |  | Harness Log *****  |                                |
|                 | CMD: A:\TES  | I-HDL.EXE SWB-35 HecRamsey SN                              | r 8A 64 2B                     |
|                 | Case: SWB-3  | -  |                                |
|                 | Command set  |  |                                |
|                 |  | ep 29 15:00:07 2003  |                                |
|                 | Version @(   | #) test-hdl.cpp Version 1.1 Ci                             | rested 08/23/03 st 10.13.51    |
|                 |  | wb-defs.h Version 1.2 Create                               |                                |
|                 | ,  | iled on Aug 31 2003 at 08:10:                              |                                |
|                 | -  | -  | 54                             |
|                 | Operator: SI   |  |                                |
|                 | Host: HecRan   | nsey<br>rives 3, Drives: 8A 64 2B                          |                                |
|                 |  | rives 3, Drives: 8A 64 2B<br>Cmd Drv Action Stat Cry Count | Cmd Name                       |
|                 |  | -  | L ReadSectors                  |
|                 |  |  |                                |
|                 |  | <pre>&lt;0A&gt; 80 Allowed 0000 011 1 </pre>               | L ReadLong                     |
|                 |  |  |                                |
|                 |  |  | ) No commands blocked (0 of 3) |
|                 |  | <02> 81 Allowed 0000 Off 1                                 |                                |
|                 |  |  | l ReadLong                     |
|                 |  |  | L ExtRead                      |
|                 |  |  | L No commands blocked (0 of 3) |
|                 | 0 SWB-35 <02> 82 Allowed 0000 Off 1 ReadSectors                        |  |                                |
|                 | 1 SWB-35 <0A> 82 Allowed 0000 Off 1 ReadLong                           |  |                                |
|                 | 2 SWB-35 <42> 82 Allowed 0000 Off 1 ExtRead                            |  |                                |
|                 | Results for SWB-35 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 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    |
| Analysis:       | SWB-35 Expe  | cted results achieved                                      |                                |

| Case SWB-36 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997           |  |  |
|-----------------|---|--|--|
| 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     |  |  |

| Teater Name         Test Date:         Mon Sep 29 14:56:39 2003           Test D2:         Mon Sep 29 14:56:39 2003         Test D2:           Test D2:         MecRamey         Test D2:           Test D2:         MecRamey         Test D2:           Test D2:         Drive 81, label 64 is a NDC ND20DEB-00CSF0 with 39102336 sectors           Drive 81, label 64 is a NDC ND20DEB-00CSF0 with 39102336 sectors           Drive 82, label 28 is a Quantum (M33100TD-SCA Drive with 17783249 sectors           Commands           executed:           tally13           hd15 S01           test-hall SWB-36 MecKamsey SN r 8A 64 2B           Shutdown Test PC           Log File           test-hall SWB-36 MecKamsey SN r 8A 64 2B           Shutdown Test PC           Log File           test-hall SWB-36 MecKamsey SN r 8A 64 2B           Log File           test-hall SWB-36 MecKamsey SN r 8A 64 2B           Commands test PC           HD1 Hard-Diak (Int.13) Write Lock v0.5 971202 (C)GKH 1993,1994,1997           3 Hard-Diaks reported by Int.13h           HB2 Hard-Diak (Int.13) Write Lock v0.5 971202 (C)GKH 1993,1994,1997           A Hard-Diaks Portek SI 178539 2003           Date: Mon Sep 29 14:55:39 2003           Date: Mon Sep 29 14:55:39 2003  | Case SWB-36 HDL | Hard-Disl   | (Int_13) Write Lock V0.5 971                        | 202 (C)GKH 1993,1994,1997      |  |
|--|-----------------|-------------|---|--------------------------------|--|
| Test Date:         Mon Sep 29 14:56:39 2003           Test BC:         HecRemey           Test Software:         WHET 1.0           Hard Drives         Drive 80, label 64 is a WC WD2008B-00CSFD with 3910236 sectors           Drive 81, label 64 is a WC WD2008B-00CSFD with 3910236 sectors           Drive 82, label 28 is a Quantum QM39100TD-SCA Drive with 17783249 sectors           Commands           Boot Test EC to (DOS 7.1) Windows 98 [Version 4.10.2222]           tally13           hd15 S01           test-hd1 SWB-36 HecRamsey SN r 8A 64 2B           Shutdown Test EC           Log File           Wonitor BIOS interrupt 13h (disk service)           tally13 compiled on 07/29/03 at 07:38:17           @(4) Version 1.1 Created 07/29/03 at 07:28:05           Now (02/29/03 at 14:56:31) Going TER           ****** Install HDL Log *****           HDL Hard-Disk (Tut_13) Write Lock Vo.5 971202 (C)GKH 1993,1994,1997           3 Hard-Disk 0 Locked1           Hard-Disk 1 Locked1 <t< td=""><td></td><td></td><td></td><td></td></t<>  |                 |             |   |                                |  |
| Test SC:         MecRamey           Test SCIVART:         SWE1.0           Hard Drives         Drive 80. label 84 is a NCC W020DEB-0CCSF0 with 3910236 sectors           Drive 81. label 64 is a NCC W020DEB-0CCSF0 with 3910236 sectors           Drive 82. label 78 is a Quantum QM39100TD-SCA Drive with 17783249 sectors           Root Test PC to (DOS 7.1) Windows 98 (Version 4.10.2222)           tally13           ablstdown Test PC           Log File           Hirdbown Test PC           Monitor BIGS interrupt 13h (disk service)           tally13           compiled on 07/29/03 at 07:33:17           @(H) Version 1.1 Created 07/29/03 at 07:28:05           Now (09/29/03 at 14:56:31) Coing TSR           ****** HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GRH 1993,1994,1997           3         Hard-Disk 1 Lockedi           Hard-Disk 1 Lockedi           Hard-Disk 1 Lockedi           Hard-Disk 2 Not Lockedi           Hard-Disk 2 Not Locks           Case: SWB-36           Case: SWB-36           Case: SWB-36           Case: SWB-36           Case: Gud Drv Action Stat Cry Count Cud Name           0 SWB-36 Ca2x 60 Allowed 0000 Off 1 ReadSectors           1 SWB-36 Ca2x 60 Allowed 0000 Off 1 ReadSectors           1 SWB-36 CA2x 60 Allowed 0000 Off  | Tester Name:    | SN          |   |                                |  |
| Test SC:         MecRamey           Test SCIVART:         SWE1.0           Hard Drives         Drive 80. label 84 is a NCC W020DEB-0CCSF0 with 3910236 sectors           Drive 81. label 64 is a NCC W020DEB-0CCSF0 with 3910236 sectors           Drive 82. label 78 is a Quantum QM39100TD-SCA Drive with 17783249 sectors           Root Test PC to (DOS 7.1) Windows 98 (Version 4.10.2222)           tally13           ablstdown Test PC           Log File           Hirdbown Test PC           Monitor BIGS interrupt 13h (disk service)           tally13           compiled on 07/29/03 at 07:33:17           @(H) Version 1.1 Created 07/29/03 at 07:28:05           Now (09/29/03 at 14:56:31) Coing TSR           ****** HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GRH 1993,1994,1997           3         Hard-Disk 1 Lockedi           Hard-Disk 1 Lockedi           Hard-Disk 1 Lockedi           Hard-Disk 2 Not Lockedi           Hard-Disk 2 Not Locks           Case: SWB-36           Case: SWB-36           Case: SWB-36           Case: SWB-36           Case: Gud Drv Action Stat Cry Count Cud Name           0 SWB-36 Ca2x 60 Allowed 0000 Off 1 ReadSectors           1 SWB-36 Ca2x 60 Allowed 0000 Off 1 ReadSectors           1 SWB-36 CA2x 60 Allowed 0000 Off  | Test Date:      | Mon Sep 29  | 14:56:39 2003                                       |                                |  |
| Test Software:         SNRT 1.0           Bard Dives         Drive 80, label 8A is a WCC WD04AA with 12594960 sectors           Used:         Drive 81, label 64 is a WCC WD04AA with 12594960 sectors           Drive 82, label 28 is a Quantum QM31000TS-SCA Drive with 1778249 sectors           Commands         Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]           tally13         halfs 501           test-half SW8-36 HecRamsey SN r 8A 64 2B           Shutdown Test PC           Log File           ****** Monitor Execution *****           Highlights:           ****** Monitor Execution 07/29/03 at 07:33:17           e(#) Version 1.1 Created 07/29/03 at 07:33:17           e(#) Version 1.1 Created 07/29/03 at 07:33:16           Now (09/29/03 at (Int_15)           Hard-Dikk I (Int_13) write Lock V0.5 971202 (C)GKH 1993,1994,1997           3 Rard-Diaks reported by Int_13h           Hard-Dikk 2 Not Locked!           Hard-Dikk 1 Locp Version 1.1 Created 08/23/03 at 10:13:51           e(#) wh-defo.h version 1.2 Created 08/23/03 at 10:13:51           (#) whee 30 Allowed 0000 Off 1 ReadLong           2 SWB-36 coAs 80 Allowed 00000 Off 1 ReadLong           <   |                 | -           |   |                                |  |
| Hard Drives         Drive 80, label 6A is a WDC WD200EP-00CSYD with 39102336 sectors           Derive 82, label 2B is a Quantum QM9100TD-SCA Drive with 17783249 sectors           Boot Test PC to (DS 7.1) Windows 98 [Version 4.10.2222]           tally13           basis           basis           Shutdown Test PC           Montor BIOS interrupt 13h (disk service)           tally13           tally14           Montor BIOS interrupt 13h (disk service)           tally13 compiled on 07/29/03 at 07:38:05           Now (09/29/03 at 14:56:11) Going TSR           ******           HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997           J Hard-Disk zeported by Int_13h           Hard-Disk 1 Locked!           Hard-Disk 2 Not Locked!           Hard-Disk 1 Locked!           Hard-Disk 2 Not Locked!           Hard-Disk 2 Not Locked!           Hard-Disk 31 Locked!           Hard-Disk 2 Not Locked!           Hard-Disk 31 Locked!           Hard-Disk 32 Not Locked!           Hard-Disk 31 Locked!           Hard-Disk 32 Not Locked!<  |                 |             |   |                                |  |
| Used:         Drive 81, label 64 is a NDC ND64AA with 12594960 sectors           Drive 82, label 28 is a Quantum QM3100DT-SCA Drive with 1778249 sectors           Commands:           executed:           Hall:           Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]           taily13           test-hol SW8-36 HecRamsey SN r 8A 64 2B           Shutdown Test PC           Monitor BIOS interrupt 13h (disk service)           taily13.compiled on 07/29/03 at 07:33:17           e(#) Version 1.1 Created 07/29/03 at 07:33:17           e(#) Version 1.1 Created 07/29/03 at 07:28:05           Now (09/29/03 at 14:56:31) Going TSR           ****** Install HDL Log ******           HDL Hard-Disk (Int_13) write Lock V0.5 971202 (C)GKH 1993,1994,1997           Mard-Disk 2 Not Locked!           Hard-Disk 1 Locked!           Hard-Disk 2 Not Locked!           Hard-Disk 2 Not Locked!           Hard-Disk 2 Not Locked!           Hard-Disk 3 POYABA           Case: SNB-36           Garact SNB-36           Command set: Read           Date: Mon Sep 29 14:56:39 2003           Version : 4(#) test-hal.opp Version 1.1 Created 08/23/03 at 10:13:51           w(H) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19           Commald Set: Read           Dace C  |                 |             | abel 81 is a WDC WD200FB-00CS                       | 70 with 39102336 sectors       |  |
| Drive 82, label 2B is a Quantum QM9100TD-SCA Drive with 17783249 sectors           Commands         Boot Test PC to (DS 7.1) Windows 98 [Version 4.10.2222]           tally13         hdl5 S01           test-hdl SMB-36 HecRamsey SN r 8A 64 2B         Shutdown Test PC           Log File         Monitor EDOS intrupt 1Bh (disk service)           tally13         compiled on 07/29/03 at 07:33:17           (e) Fversion 1.1 Created 07/23/03 at 07:33:07           (e) Version 1.1 Created 07/33/03 at 07:38:05           New (09/29/03 at 14:55:31/26/03 at 07:38:05           New (09/29/03 at 14:55:31/26/04           Hard-Disk [nn_1]) Nrite Lock V0.5 971202 (C)GKH 1993,1994,1997           3 Rand-Disk reported by Int_13h           Hard-Disk 1 Locked!           Hard-Disk 2 Not Locked!           Hard-Disk 2 Not Locked!           Hard-Disk 1 Locked!           Hard-Disk 2 Not Locked!           Ward-Disk 2 Not Locked!           Ward-Disk 2 Not Locked!           Hard-Disk 2 Not Locked!           Not State 2 Not Locked!           Not State 2 Not Locked!           Date: Non Sep 2 14:56:39 2003<   |                 |             |   |                                |  |
| Commands<br>executed:         Boot Test PC to (DOS 7.1) Windows 98 [Version 4.10.2222]<br>tally13<br>hd15 501<br>test-hd1 SWB-36 HecRamsey SN r BA 64 2B<br>Shutdown Test PC           Log File         ****** Monitor Execution *****<br>Highlights:         Monitor BIOS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:38:17<br>(#) Version 1.1 Created 07/29/03 at 07:38:10<br>Now (09/29/03 at 14:56:31) Going TSR<br>****** Install HDL Log *****<br>HDL Hard-Disk (Int_13) Write Lock Vo.5 971202 (C)GKH 1993,1994,1997<br>3 Hard-Disk I Locked!<br>Hard-Disk I Locked!<br>Hard-Disk 2 Not Locked!<br>Hard-Disk 3 P02 14:56:39 2003           Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) vb-defs.h Version 1.2 Created 08/23/03 at 10:13:51<br>@(#) vb-defs.h Version 1.2 Created 08/23/03 at 10:13:51<br>@(#) vb-defs.h Version 1.2 Created 08/23/03 at 10:13:51<br>@(#) vb-defs.h Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) vb-defs.h Version 1.2 Created 08/23/03 at 10:13:51<br>@(#) vb-defs.h Version 1.1 ExtEsd<br>@(#) vb-defs.h Version 1.1 Ex   | useu.           |             |   |                                |  |
| executed:       tallyl3         hdi5 S01       test-hdl SWB-36 HecRamsey SN r 8A 64 2B         Shutdown Test PC         Log File       ***** Monitor Execution *****         Highlights:       ***** Monitor Execution *****         Monitor BIOS interrupt 13N (disk service)       tallyl3 compiled on 07/29/03 at 07:33:17         (#) Version 1.1 Created 07/29/03 at 07:32:05       Now (09/29/03 at 14:55:31) Going TSR         ******       Instal D.cog *****         HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 4 1 Locked!         Hard-Disk 5 20 Stress         Compile ** Not File Lock successfully installed.         ****** CMD: ak/TSD-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B         Case: SWB-36         Command set: Red         Date: Mon Sep 29 14:56:39 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: SN         Hoot: HecKamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-36 <02> 80 Allowed 0000 off 1 ReadSectors         1 SWB-36 <02> 8  | Commanda        |             |   |                                |  |
| hdl5 S01         test-hdl SNB-36 HecRamsey SN r 8A 64 2B         Shutdown Test PC         Log File         Highlights:         Monitor BIOS interrupt 13h (disk service)         tally13 compiled on 07/29/03 at 07:33:17         @(H) Version 1.1 Created 07/29/03 at 07:28:05         Now (05/29/03 at 14:56:31) Going TER         #****** Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1992,1994,1997         3 Hard-Disks reported by Int_13h         Hard-Disks Teported by Int_13h         Warins (M)         Ob  |                 |             | C CO (DOS 7.1) WINDOWS 98 [Vel                      | ISIOII 4.10.2222]              |  |
| test-hel SNB-36 Heckamsey SN r 8A 64 2BLog File****** Monitor Execution *****<br>Monitor BIOS interrupt 1M (disk service)<br>tally13 compiled on 07/29/03 at 07:33:17<br>@(#) Version 1.1 Created 07/29/03 at 07:28:05<br>Now (09/29/03 at 41:56:31) Going TSR<br>***** Install HDL Log *****<br>HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997<br>3 Hard-Disks reported by Int_13h<br>Hard-Disk 1 Locked!<br>Hard-Disk 1 Locked!<br>Hard-Disk 2 Not Locked!<br>Hard-Disk 2 Not Locked!<br>Hord-Test 1 Locked!<br>Hord-Test 2 Not Locked!<br>Hord-Test 2 Not Locked!<br>Compiled on Aug 31 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/21/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: Heckamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case: Case 2 Not Allowed 0000 off 1 ReadSectors<br>1 SWB-36 <028 001000 off 1 ReadSectors<br>1 SWB-36 <028 001000 off 1 ReadSectors<br>1 SWB-36 <028 0110wed 0000 off 1 ReadSectors<br>1 SWB-36 <028 2110wed 0000 off 1 ReadSectors<br>1 SWB-36 <028 2110wed 0000 off 1 ReadSectors<br>1 SWB-36 <028 21 Allowed 0000 off 1 ReadSectors<br>1 SWB-36 <028 22 Allowed 0000 off 1 Read   | executed.       | -           |   |                                |  |
| Shutdown Test PC           Log File         ******           Highlights:         Monitor BIOS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:38:105<br>Now (09/29/03 at 14:56:31) Going TSR<br>***** Install HDL Log *****           HDL Hard-Disk (Int_13) Write Lock VO.5 971202 (C)GKH 1993,1994,1997<br>3 Hard-Disk or Locked1<br>Hard-Disk 1 Locked1<br>Hard-Disk 1 Locked1<br>Hard-Disk 2 Not Locked1<br>Date: Mon Sep 29 14:86:39 2003           Version: @(#) wb-dfs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: Heckmaey<br>Number of drives 3, Drives: 8A 64 28<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-36 c02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 c03> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 c03> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 c12> 81 Allowed 0000 Off 1 ExtRead<br>Results for SWB-36 category r on drive 81 No commands blocked (0 of 3)<br>0 SWB-36 c02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 c42> 81 Allowed 0000 Off 1 ReadSectors<br>1 SW   |                 |             |   |                                |  |
| Log File       ***** Monitor Execution *****         Highlights:       Monitor BIOS interrupt 15N (disk service)         tally13 compiled on 07/29/03 at 07:33:17       @(#) Version 1.1 Created 07/29/03 at 07:33:17         @(#) Version 1.1 Created 07/29/03 at 07:33:17       @(#) Version 1.1 Created 07/29/03 at 07:38:05         Nkow (09/29/03 at 14:56:31) Going TSR       *****         HEL  |                 |             | -   |                                |  |
| Highlights:       Monitor BIOS interrupt 13h (disk service)         tally13 compiled on 07/29/03 at 07:38:05         Now (09/29/03 at 14:56:31) Going TSR         ******         HEL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disks 1 Locked!         Hard-Disk 1 Locked!         Hard-Disk 1 Locked!         Hard-Disk 2 Not Locked!         H-D Write Lock successfully installed.         ******         COD: N'NTESTHOLEXE SWB-36 HecRamsey SN r &A 64 2B         Case: SWD-36         Command set: Read         Date: Mon Sep 29 14:56:39 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51         @(#) wb-defs.h Version 1.2 Created 08/1/03 at 08:18:19         Compiled on Aug 31 2003 at 08:10:54         Operator: SN         Number of drives 3, Drives: 8A 64 2B         Case CmDrv Action Stat Cry Count Cmd Name         0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadLong         2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadLong         2 SWB-36 <02> 81 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-  | Ing Tile        |             |   |                                |  |
| tally13 compiled on 07/29/03 at 07:33:17         e(#) Version 1. Created 07/29/03 at 07:28:05         Now (09/29/03 at 14:56:31) Going TSR         ****** Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         4 Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         5 Ward (Moton 100 Mather)         6 Ward (Moton 100 Mather)         6 Ward (Moton 100 Mather)         6 (Ward (Ward (Ward Mather)         7 Torber of drives 3, Drives: 8A 64 2B         7 Compiled on Aug 31 2003 at 08:10:54         7 Operator: SN         Number of drives 3, Drives: 8A 64 2B         7 Case Cmd Dry Action Stat Cry Count Cmd Name         0 SWB-36 (42> 80 Allowed 0000 Off 1 ReadLong         2 SWB-36 (42> 80 Allowed 0000 Off 1 ReadLong         2 SWB-36 (42> 81 Allowed 00000 Off 1 ReadLong   | 5               |             |   |                                |  |
| #(#) Version 1.1 Created 07/29/03 at 07:28:05         Now (09/29/03 at 14:56:13) Going TSR         ****** Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk o Locked!         Hard-Disk 1 Locked!         Hard-Disk 2 Not Locked!         H-D Write Lock successfully installed.         ****** Test Harness Log *****         CMD: X: VTEST-HDL.EXE SWB-36 Heckamsey SN r 8A 64 2B         Case: SWB-36         Command set: Read         Date: Mon Sep 29 14:56:39 2003         Version: @(#) test-hol.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: SN         Hobe: Heckmasey         Number of drives 3, Drives: 8A 64 2B         Case CmD Drv Action Stat Cry Count Cmd Name         0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadLong         2 SWB-36 <42> 80 Allowed 0000 off 1 ReadLong         2 SWB-36 <42> 81 Allowed 0000 off 1 ReadLong         2 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 <td>Highlights:</td> <td></td> <td>_</td> <td></td>   | Highlights:     |             | _   |                                |  |
| Now (09/29/03 at 14:56:31) Going TSR         ******       Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock v0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk 0 Locked!         Hard-Disk 1 Locked!         Hard-Disk 1 Locked!         Hard-Disk 2 Not Locked!         H-D Write Lock successfully installed.         ******         CMD: A:TDST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B         Caase: SWB-36         Command set: Read         Date: Mon Sep 29 14:56:39 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51         @(#) wb-defs.h Version 1.2 Created 08/23/03 at 08:18:19         Compiled on Aug 31 2003 at 08:10:54         Operator: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cond Drv Action Stat Cry Count Cod Name         0 SWB-36 <02> 80 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <04> 80 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <04> 81 Allowed 0000 0ff 1 ReadLong         2 SWB-36 <42> 81 Allowed 0000 0ff 1 ReadLong         2 SWB-36 <42> 81 Allowed 0000 0ff 1 ReadLong         2 SWB-36 <42> 81 Allowed 0000 0ff 1 ReadLong         2 SWB-36 <42> 82 Allowed 0000 0ff 1 ReadLong         2 SWB-36 <42> 82 Allowed 0000 0ff 1 ReadLong         2 SWB-36 <42> 82 Allow  |                 |             |   |                                |  |
| ****** Install HDL Log *****         HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997         3 Hard-Disk 0 Locked!         Hard-Disk 1 Locked!         Hard-Disk 2 Not Locked!         Hard-Disk 2 Not Locked!         H-D Write Lock successfully installed.         ****** Test Harness Log *****         CMD: A:\TEST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B         Case: SWB-36         Command set: Read         Date: Mon Sep 29 14:56:39 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51         @(#) wb-defs.h Version 1.2 Created 08/23/03 at 10:13:51         @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19         Command set: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-36 <02> 80 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <0A> 80 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <0A> 81 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <0A> 82 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <0A> 82 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <0A> 82 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <0A> 82 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <0A> 82 Allowed 0000 0ff 1 ReadSectors         1 SWB-36 <0A> 82 Allowed 0000 0ff 1 ReadSectors         1 SWB-36   |                 |             |   |                                |  |
| HDL Hard-Disk [Int_13] Write Lock V0.5 971202 (C)GKH 1993,1994,1997<br>3 Hard-Disk 0 Locked!<br>Hard-Disk 1 Locked!<br>Hard-Disk 1 Locked!<br>Hard-Disk 1 Locked!<br>Hard-Disk 2 Not Locked!<br>H-D Write Lock successfully installed.****** Test Harness Log ******<br>CMD: A:TEST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B<br>Cases SWB-36<br>Command set: Read<br>Date: Mon Sep 29 14:56:39 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/23/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: HecRamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <0A> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <0A> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <0A> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <0A> 82 Allowed 0000 Off 1 ReadSectors <br< td=""><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td>ſSR</td></br<>  |                 |             | · · · · · · · · · · · · · · · · · · ·               | ſSR                            |  |
| A Hard-Disk 0       Lockedi         Hard-Disk 1       Lockedi         Hard-Disk 2       Not Lockedi         Hard-Disk 2       Not Lockedi         H-D Write Lock successfully installed.         ******       Test Harness Log *****         CMD: X:\TEST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B         Case: SWB-36         Command set: Read         Date: Mon Sep 29 14:56:39 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: SN         HOST: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-36 <02> 80 Allowed 0000 Off 1         Results for SWB-36 category r on drive 80 No commands blocked (0 of 3)         0 SWB-36 <02> 81 Allowed 0000 Off 1         Results for SWB-36 category r on drive 81 No commands blocked (0 of 3)         0 SWB-36 <02> 82 Allowed 0000 Off 1         Results for SWB-36 category r on drive 82 No commands blocked (0 of 3)         0 SWB-36 <02> 82 Allowed 0000 Off 1         1 SWB-36 <02> 82 Allowed 0000 Off 1         Results for SWB-36 category r on drive 82 No commands blocked (0 of 3)         0 SWB-36 <02> 82 Allowed 0000 Off 1 <td></td> <td></td> <td>-</td> <td></td>  |                 |             | -   |                                |  |
| Hard-Disk 0       Locked!         Hard-Disk 1       Locked!         Hard-Disk 1       Locked!         Hard-Disk 1       Locked!         H-D Write Lock successfully installed.         ******       Test Harness Log *****         CMD: A:\TEST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B         Case: SWB-36         Command set: Read         Date: Mon Sep 29 14:56:39 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/31/03 at 08:18:19         Compiled on Aug 31 2003 at 08:10:54         Operator: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cmd Drv Action Stat Cry Count Cmd Name         0 SWB-36 c02> 80 Allowed 0000 Off 1         Results for SNB-36 category r on drive 80 No commands blocked (0 of 3)         0 SWB-36 c02> 81 Allowed 0000 Off 1         Results for SNB-36 category r on drive 81 No commands blocked (0 of 3)         0 SWB-36 c02> 82 Allowed 0000 Off 1         Results for SNB-36 category r on drive 82 No commands blocked (0 of 3)         0 SWB-36 c02> 82 Allowed 0000 Off 1         Results for SNB-36 category r on drive 82 No commands blocked (0 of 3)         0 SWB-36 c02> 82 Allowed 0000 Off 1         Results for SNB-36 category r on drive 82 No commands blocked (0 of 3)         0 SWB-36 c02> 82 Allowed 0000 Off 1  |                 |             |   |                                |  |
| Hard-Disk 1Locked!<br>Hard-Disk 2 Not Locked!<br>H-D Wite Lock successfully installed.******Test Harness Log *****CMD: X:VTEST-HDL EXE SWB-36 HecRamsey SN r 8A 64 2B<br>Case: SWB-36<br>Command set: Read<br>Date: Mon Sep 29 14:56:39 2003Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: HecRamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-36 <02> 80 Allowed 0000 Off 1<br>ReadSectors<br>1 SWB-36 <02> 80 Allowed 0000 Off 1<br>ReadSectors<br>1 SWB-36 <02> 80 Allowed 0000 Off 1<br>ReadSectors<br>1 SWB-36 <02> 81 Allowed 0000 Off 1<br>ReadLong<br>2 SWB-36 <42> 81 Allowed 0000 Off 1<br>ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1<br>ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1<br>ReadLong<br>2 SWB-36 <42> 81 Allowed 0000 Off 1<br>ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1<br>   |                 |             |   |                                |  |
| Hard-Disk 2 Not Locked!         H-D Write Lock successfully installed.         ****** Test Harness Log *****         CMD: A:\TEST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B         Case: SWB-36         Command set: Read         Date: Mon Sep 29 14:56:39 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/31/03 at 00:13:51         @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19         Compiled on Aug 31 2003 at 08:10:54         Operator: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         Case Cond Drv Action Stat Cry Count Cmd Name         0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadLong         2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadLong         2 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 <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 ExtRead         Results for SWB-36 category r on drive 82 No commands blocked (0 of 3)         0 SWB-36 <02> 82 Allowed 0000 Off 1 ExtRead         Results for SWB-36 acategory r on drive 82 No commands blocked (0 of  |                 |             |   |                                |  |
| H-D Write Lock successfully installed.         ****** Test Harness Log *****         CMD: A:\TEST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B         Case: SWB-36         Command set: Read         Date: Mon Sep 29 14:56:39 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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         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> 81 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 <02> 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> 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   |                 |             |   |                                |  |
| ***** Test Harness Log *****         CMD: A:\TEST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B         Case: SWB-36         Command set: Read         Date: Mon Sep 29 14:56:39 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/31/03 at 08:13:51         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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         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 ExtRead         Results for SWB-36 category r on drive 80 No commands blocked (0 of 3)         0 SWB-36 <02> 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 <42> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-36 <42> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-36 <42> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-36 <42> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-36 <42> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-36 <42> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-36 <42> 82 Allowed 0000 Off 1 ReadSectors         1 SWB-36 <42> 82 Allowed 00  |                 |             |   |                                |  |
| CMD: A:\TEST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B         Case: SWB-36         Command set: Read         Date: Mon Sep 29 14:56:39 2003         Version: @(#) test-hal.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: SN         Host: HecRamsey         Number of drives 3, Drives: 8A 64 2B         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         1 SWB-36 <02> 80 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 <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 <12> 80 Allowed 00000 Off 1 ReadSectors <tr< td=""><td></td><td>H-D</td><td colspan="3">H-D Write Lock successfully installed.</td></tr<>   |                 | H-D         | H-D Write Lock successfully installed.              |                                |  |
| Results:       Assertion       Expected Results       Actual Results         Results:       Assertion       Expected Results       Actual Results         Results:       Assertion       Expected Results       Actual Results   |                 |             |   |                                |  |
| Results:       Assertion       Expected Results       Actual Results         Results:       Assertion       Expected Results       Actual Results         Results:       Assertion       Expected Results       Actual Results   |                 | CMD: A:\TES | CMD: A:\TEST-HDL.EXE SWB-36 HecRamsey SN r 8A 64 2B |                                |  |
| Results:       Date: Mon Sep 29 14:56:39 2003         Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51  |                 | Case: SWB-3 | 6   |                                |  |
| Results:       Assertion       Expected Results         Results:       Assertion       Expected Results         Actual Results       Actual Results         Am-09       Drive 81 is protected         Drive 81 is protected       Drive 82 is uprotected         Discreted       Actual Results  |                 | Command set | : Read  |                                |  |
| @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: HecRamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <42> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>2 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>2 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>2 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>3 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>5 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors<br>5 SWB-36 <04> 9 not blocked<br>7 SWB-36 <04> 9 Drive 80 is protected<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 <05 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 SWB-36 category r on drive 82 SWB-36<br>7 SWB-36 SWB-36 category r on drive 80 SWB-36<br>7 SWB-36 SWB-36 SWB-36 Category r on drive 80 SWB-36<br>7 SWB-36 SWB-36 S |                 | Date: Mon S | ep 29 14:56:39 2003                                 |                                |  |
| @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19<br>Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: HecRamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <42> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>2 SWB-36 <42> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>2 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>2 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>2 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>3 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors<br>5 SWB-36 <03> 82 Allowed 0000 Off 1 ReadSectors<br>5 SWB-36 <04> 9 not blocked<br>7 SWB-36 <04> 9 Drive 80 is protected<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 <05 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>7 SWB-36 SWB-36 category r on drive 82 SWB-36 category r on drive 82 SWB-36<br>7 SWB-36 SWB-36 category r on drive 80 SWB-36<br>7 SWB-36 SWB-36 SWB-36 Category r on drive 80 SWB-36<br>7 SWB-36 SWB-36 S |                 |             |   |                                |  |
| Compiled on Aug 31 2003 at 08:10:54<br>Operator: SN<br>Host: HecRamsey<br>Number of drives 3, Drives: 8A 64 2B<br>Case Cmd Drv Action Stat Cry Count Cmd Name<br>0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 80 Allowed 0000 Off 1 ReadLong<br>2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-36 <42> 82 Allowed 0000 Off 1 ReadLong<br>2 SWB-36 <42> 82 Allowed 0000 Off 1 ExtRead<br>Results for SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>Summary: 9 sent, 0 blocked, 9 not blockedResults:Assertion Expected Results<br>AM-07 Tool active message<br>AM-08 3 drives identified<br>AM-09 Drive 80 is protected<br>Drive 80 is protected<br>Drive 80 is protected<br>AM-09 Drive 81 is unprotected<br>Drive 81 is protected<br>Drive 82 is unprotected<br>AM-00 A No cmds to drive 80 blocked No cmds to drive 80 blocked<br>AO-04 No cmds to drive 82 blocked No cmds to drive 82 blocked   |                 | Version: @( | #) test-hdl.cpp Version 1.1 C                       | reated 08/23/03 at 10:13:51    |  |
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| Host: HecRamseyNumber of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors1 SWB-36 <0A> 80 Allowed 0000 Off 1 ReadLong2 SWB-36 <42> 80 Allowed 0000 Off 1 ReadLong2 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong0 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong2 SWB-36 <02> 82 Allowed 0000 Off 1 ReadLong2 SWB-36 <03> 82 Allowed 0000 Off 1 ReadLong3 Grives identified3 drives identified3 drives identified3 drives identified3 drives identified3 drives identified3 drives 80 is protected3 M   |                 | Comp        | iled on Aug 31 2003 at 08:10:                       | 54                             |  |
| Number of drives 3, Drives: 8A 64 2BCase Cmd Drv Action Stat Cry Count Cmd Name0 SWB-36 <02> 80 Allowed 0000 Off 1 ReadSectors1 SWB-36 <0A> 80 Allowed 0000 Off 1 ReadLong2 SWB-36 <42> 80 Allowed 0000 Off 1 ExtReadResults for SWB-36 category r on drive 80 No commands blocked (0 of 3)0 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong2 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong2 SWB-36 <02> 81 Allowed 0000 Off 1 ReadLong2 SWB-36 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-36 <02> 81 Allowed 0000 Off 1 ReadSectors1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors1 SWB-36 <02> 82 Allowed 0000 Off 1 ReadLong2 SWB-36 <02> 82 Allowed 0000 Off 1 ReadSectors1 SWB-36 <03> 82 Allowed 0000 Off 1 ReadLong2 SWB-36 <42> 82 Allowed Dono Commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedM-07 Tool active messageM-08 3 drives identifiedM-09 Drive 81 is protectedM-0   |                 | Operator: S | N   |                                |  |
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| Results:AssertionExpected ResultsActual ResultsAssertionExpected ResultsActual ResultsAm-09Drive 80 is protectedDrive 80 is protectedAm-09Drive 81 is protectedDrive 81 is protectedAm-09Drive 82 is unprotectedDrive 82 is unprotectedAm-09Drive 82 is unprotectedDrive 82 is unprotectedAm-07No comds to drive 80 blockedNo cmds to drive 82 blockedAn-07No cmds to drive 81 blockedNo cmds to drive 82 blocked   |                 | 0 SWB-36    | <02> 80 Allowed 0000 Off                            | l ReadSectors                  |  |
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| 0 SWB-36 <02> 81 Allowed 0000 Off1 ReadSectors1 SWB-36 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-36 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-36 category r on drive 81 No commands blocked (0 of 3)0 SWB-36 <02> 82 Allowed 0000 Off0 SWB-36 <0A> 82 Allowed 0000 Off1 ReadSectors1 SWB-36 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-36 <42> 82 Allowed 0000 Off1 ReadLong2 SWB-36 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-36 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionAssertionExpected ResultsAd-07Tool active messageTool active messageTool active messageAM-083 drives identifiedAM-09Drive 80 is protectedAM-09Drive 81 is protectedAM-09Drive 81 is protectedAM-100 Commands return successAO-04No cmds to drive 80 blockedAO-04No cmds to drive 81 blockedAO-07No cmds to drive 82 blockedAO-07No cmds to drive 82 blocked  |                 | 2 SWB-36    | <42> 80 Allowed 0000 Off                            | l ExtRead                      |  |
| 0 SWB-36 <02> 81 Allowed 0000 Off1 ReadSectors1 SWB-36 <0A> 81 Allowed 0000 Off1 ReadLong2 SWB-36 <42> 81 Allowed 0000 Off1 ExtReadResults for SWB-36 category r on drive 81 No commands blocked (0 of 3)0 SWB-36 <02> 82 Allowed 0000 Off0 SWB-36 <0A> 82 Allowed 0000 Off1 ReadSectors1 SWB-36 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-36 <42> 82 Allowed 0000 Off1 ReadLong2 SWB-36 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-36 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionAssertionExpected ResultsAd-07Tool active messageTool active messageTool active messageAM-083 drives identifiedAM-09Drive 80 is protectedAM-09Drive 81 is protectedAM-09Drive 81 is protectedAM-100 Commands return successAO-04No cmds to drive 80 blockedAO-04No cmds to drive 81 blockedAO-07No cmds to drive 82 blockedAO-07No cmds to drive 82 blocked  |                 | Results for | SWB-36 category r on drive 80                       | ) No commands blocked (0 of 3) |  |
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| 0 SWB-36 <02> 82 Allowed 0000 off1 ReadSectors1 SWB-36 <0A> 82 Allowed 0000 off1 ReadLong2 SWB-36 <42> 82 Allowed 0000 off1 ExtReadResults for SWB-36 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected ResultsActual ResultsAM-07Tool active messageTool active messageTool active messageAM-083 drives identifiedAM-09Drive 80 is protectedDrive 80 is protectedDrive 81 is protectedAM-09Drive 81 is unprotectedAM-09Drive 82 is unprotectedAM-09Drive 82 is unprotectedAM-09Drive 82 is unprotectedAM-09Drive 81 is protectedAM-09Drive 82 is unprotectedAM-09Drive 82 is unprotectedAM-09Drive 82 is unprotectedAM-09Drive 82 is unprotectedAM-09Drive 82 is unprotectedAM-00No cmds to drive 80 blockedAM-01No cmds to drive 80 blockedAD-04No cmds to drive 81 blockedAD-07No cmds to drive 82 blockedAD-07No cmds to drive 82 blocked  |                 |             |   |                                |  |
| 1 SWB-36 <0A> 82 Allowed 0000 Off1 ReadLong2 SWB-36 <42> 82 Allowed 0000 Off1 ExtReadResults for SWB-36 category r on drive 82 No commands blocked (0 of 3)Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected ResultsActual ResultsAm-07Tool active messageTool active identified3 drives identifiedAm-09Drive 80 is protectedDrive 80 is protectedDrive 80 is protectedAm-09Drive 81 is protectedDrive 82 is unprotectedDrive 82 is unprotectedAm-100 Commands return successAO-04No cmds to drive 81 blockedAO-07No cmds to drive 82 blockedAO-07No cmds to drive 82 blocked   |                 |             |   |                                |  |
| 2 SWB-36 <42> 82 Allowed 0000 Off 1 ExtRead<br>Results for SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>Summary: 9 sent, 0 blocked, 9 not blockedResults:Assertion Expected Results<br>AM-07 Tool active message<br>AM-08 3 drives identified<br>AM-09 Drive 80 is protected<br>AM-09 Drive 81 is protected<br>Drive 81 is protected<br>Drive 81 is protected<br>AM-10<br>AM-10<br>O Commands return success<br>AO-04 No cmds to drive 81 blocked<br>No cmds to drive 81 blocked<br>No cmds to drive 82 blocked   |                 |             |   |                                |  |
| Results for SWB-36 category r on drive 82 No commands blocked (0 of 3)<br>Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected ResultsActual ResultsAM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is protectedDrive 80 is protectedAM-09Drive 81 is protectedDrive 81 is unprotectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 80 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked  |                 |             |   |                                |  |
| Summary: 9 sent, 0 blocked, 9 not blockedResults:AssertionExpected ResultsActual ResultsAM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is protectedDrive 80 is protectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-09No cmds to drive 80 blockedNo cmds to drive 80 blockedAO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked   |                 |             |   |                                |  |
| Results:AssertionExpected ResultsActual ResultsAM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is protectedDrive 80 is protectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-09No cmds to drive 80 blockedNo cmds to drive 80 blockedAM-09No cmds to drive 80 blockedNo cmds to drive 80 blockedAM-09No cmds to drive 81 blockedNo cmds to drive 81 blocked  |                 |             |   |                                |  |
| AM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is protectedDrive 80 is protectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 80 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked  |                 |             | ,, - moo 2100me                                     |                                |  |
| AM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is protectedDrive 80 is protectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 80 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked  |                 |             |   |                                |  |
| AM-07Tool active messageTool active messageAM-083 drives identified3 drives identifiedAM-09Drive 80 is protectedDrive 80 is protectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 80 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked  | Results:        | Aggertion   | Expected Results                                    | Actual Results                 |  |
| AM-083 drives identified3 drives identifiedAM-09Drive 80 is protectedDrive 80 is protectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 80 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked  |                 |             |   |                                |  |
| AM-09Drive 80 is protectedDrive 80 is protectedAM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 80 blockedNo cmds to drive 81 blockedAO-04No cmds to drive 81 blockedNo cmds to drive 82 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked  |                 |             | -   | -                              |  |
| AM-09Drive 81 is protectedDrive 81 is protectedAM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 80 blockedNo cmds to drive 80 blockedAO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked   |                 |             |   |                                |  |
| AM-09Drive 82 is unprotectedDrive 82 is unprotectedAM-100 Commands return success0 Commands return successAO-04No cmds to drive 80 blockedNo cmds to drive 80 blockedAO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked  |                 |             |   |                                |  |
| AM-100 Commands return success0 Commands return successAO-04No cmds to drive 80 blockedNo cmds to drive 80 blockedAO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked   |                 |             |   | _                              |  |
| AO-04No cmds to drive 80 blockedNo cmds to drive 80 blockedAO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked  |                 |             |   | =                              |  |
| AO-04No cmds to drive 81 blockedNo cmds to drive 81 blockedAO-07No cmds to drive 82 blockedNo cmds to drive 82 blocked   |                 |             |   |                                |  |
| AO-07 No cmds to drive 82 blocked No cmds to drive 82 blocked  |                 | AO-04       |   | No cmds to drive 80 blocked    |  |
| AO-07 No cmds to drive 82 blocked No cmds to drive 82 blocked  |                 | AO-04       | No cmds to drive 81 blocked                         | No cmds to drive 81 blocked    |  |
| Analysis: SWB-36 Expected results achieved   |                 | AO-07       | No cmds to drive 82 blocked                         | No cmds to drive 82 blocked    |  |
|  | Analysis:       | SWB-36 Expe | cted results achieved                               |                                |  |
|  | + · · · ·       |             |   |                                |  |

| Case SWB-37 HDL | Hard-Disk (Int_13) Write Lock V0.5 971    | 1202 (C)GKH 1993,1994,1997        |
|-----------------|---|-----------------------------------|
| Case summary:   | SWB-37 Install all drives, configure to 1 | be active at boot and shutdown,   |
|                 | configure return code to failure, protec  | t 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.       |                                   |
| A               | (5 - £ 77                                 |                                   |

| SWB-<br>SWB-<br>SWB-<br>SWB-<br>SWB-<br>SWB-<br>SWB-<br>SWB-   | <pre>Sep 25 15:15:09 2003 sel 1.0 2 80, label 6F is a Maxtor 6Y060L0 w: 2 81, label 8A is a WDC WD200EB-00CSH 2 82, label E4 is a QUANTUM ATLAS10K% 2 83, label 2B is a Quantum QM39100TH Host (HDL in AUTOEXEC.BAT) 2 98 [Version 4.10.2222] 2 13 13 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</pre>  | the tool shall issue a message<br>the covered interfaces.<br>the tool shall issue a message<br>each drive attached to a covered<br>return fail on blocked commands<br>the return code shall indicate<br>the operating system boot and<br>are made to any protected drives.<br>ith 120103200 sectors<br>F0 with 39102336 sectors<br>2-TY092J with 17938985 sectors<br>D-SCA Drive with 17783249 sectors<br>2B |
|--|--|--|
| Tester Name: Bliv<br>Test Date: Thu<br>Test PC: Cadf<br>Test Software: SWBT<br>Hard Drives Driv<br>Used: Driv<br>Commands Boot<br>executed: Wind<br>tall<br>hdl5<br>test<br>Highlights: Moni<br>tall<br>@(#)<br>Now<br>****<br>HDL<br>Ug File ****<br>Highlights: HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****<br>HDL<br>****  | A0-08. If the tool is active during to<br>shutdown processes then no changes a<br>3<br>3<br>3<br>3<br>4<br>1.0<br>2<br>8 80, label 6F is a Maxtor 6Y060L0 w:<br>8 81, label 8A is a WDC WD200EB-00CSI<br>6 82, label E4 is a QUANTUM ATLAS10K2<br>8 83, label 2B is a Quantum QM39100TI<br>Host (HDL in AUTOEXEC.BAT)<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5   | are made to any protected drives.<br>ith 120103200 sectors<br>F0 with 39102336 sectors<br>2-TY092J with 17938985 sectors<br>D-SCA Drive with 17783249 sectors<br>2B<br>)<br>7<br>28:05<br>TSR  |
| Test Date: Thu<br>Test PC: Cadf<br>Test Software: SWBT<br>Hard Drives Driv<br>Used: Driv<br>Commands Boot<br>executed: Wind<br>tall<br>hdl5<br>test<br>Shut<br>Log File *****<br>Highlights: Moni<br>tall<br>@(#)<br>Now<br>*****<br>HDL<br>****<br>HDL<br>****<br>CMD:<br>Case<br>Comm<br>Date<br>Company<br>(%)<br>Now<br>****<br>HDL<br>(%)<br>Now<br>****<br>HDL<br>(%)<br>Now<br>****<br>HDL<br>(%)<br>Now<br>****<br>HDL<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>(%)<br>Now<br>****<br>(M)<br>(%)<br>(%)<br>(%)<br>(%)<br>(%)<br>(%)<br>(%)<br>(%   | <pre>Sep 25 15:15:09 2003 sel 1.0 2 80, label 6F is a Maxtor 6Y060L0 w: 2 81, label 8A is a WDC WD200EB-00CSH 2 82, label E4 is a QUANTUM ATLAS10K% 2 83, label 2B is a Quantum QM39100TH Host (HDL in AUTOEXEC.BAT) 2 98 [Version 4.10.2222] 2 13 13 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</pre>  | F0 with 39102336 sectors<br>2-TY092J with 17938985 sectors<br>D-SCA Drive with 17783249 sectors<br>2B<br>)<br>7<br>28:05<br>TSR  |
| Test PC: Cadf<br>Test Software: SWBT<br>Hard Drives Driv<br>Used: Driv<br>Commands Boot<br>executed: Wind<br>tall<br>hdl5<br>test<br>Shut<br>Log File *****<br>Highlights: Moni<br>tall<br>@(#)<br>Now<br>****<br>HDL<br>((#)<br>Now<br>****<br>HDL<br>Case<br>Comm<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Date<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Com<br>Case<br>Case<br>Case<br>Case<br>Case<br>Case<br>Case<br>Case  | <pre>1.0<br/>1.0<br/>2.80, label 6F is a Maxtor 6Y060L0 w:<br/>2.81, label 8A is a WDC WD200EB-00CSI<br/>2.82, label E4 is a QUANTUM ATLAS10K(2<br/>2.83, label 2B is a Quantum QM39100TI<br/>Host (HDL in AUTOEXEC.BAT)<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00<br/>2.00</pre> | F0 with 39102336 sectors<br>2-TY092J with 17938985 sectors<br>D-SCA Drive with 17783249 sectors<br>2B<br>)<br>7<br>28:05<br>TSR  |
| Test Software: SWBT<br>Hard Drives Driv<br>Used: Driv<br>Commands Boot<br>executed: Wind<br>tall<br>hd15<br>test<br>Shut<br>Log File ****<br>Highlights: Moni<br>tall<br>@(#)<br>Now<br>****<br>HDL<br>****<br>HDL<br>Case<br>Comm<br>Date<br>Comm<br>tall<br>@(#)<br>Now<br>****<br>HDL<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Now<br>Now<br>****   | 1.0<br>a 80, label 6F is a Maxtor 6Y060L0 w:<br>a 81, label 8A is a WDC WD200EB-00CSI<br>a 82, label E4 is a QUANTUM ATLAS10K:<br>b 83, label 2B is a Quantum QM39100TI<br>Host (HDL in AUTOEXEC.BAT)<br>b 98 [Version 4.10.2222]<br>713<br>13<br>b 4dl SWB-37 Cadfael Blive w 6F 8A E4<br>down Host<br>* Monitor Execution *****<br>for BIOS interrupt 13h (disk service<br>713 compiled on 07/29/03 at 07:33:17<br>Version 1.1 Created 07/29/03 at 07:23<br>(09/25/03 at 15:13:32) Going 5<br>* Install HDL Log *****<br>Hard-Disk (Int_13) Write Lock V0.9<br>4 Hard-Disks reported by Int_13h<br>Hard-Disk 1 Locked!<br>Hard-Disk 1 Locked!  | F0 with 39102336 sectors<br>2-TY092J with 17938985 sectors<br>D-SCA Drive with 17783249 sectors<br>2B<br>)<br>7<br>28:05<br>TSR  |
| Hard Drives<br>Used:<br>Driv<br>Driv<br>Commands<br>executed:<br>Log File<br>Highlights:<br>Dop<br>File<br>Highlights:<br>Dop<br>File<br>Highlights:<br>Dop<br>File<br>Highlights:<br>HDL<br>Case<br>Comm<br>Date<br>Comm<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Case<br>Case<br>Case<br>Case<br>Case<br>Case  | <pre>2 80, label 6F is a Maxtor 6Y060L0 w:<br/>2 81, label 8A is a WDC WD200EB-00CSI<br/>2 82, label E4 is a QUANTUM ATLAS10K:<br/>2 83, label 2B is a Quantum QM39100TI<br/>Host (HDL in AUTOEXEC.BAT)</pre>  | F0 with 39102336 sectors<br>2-TY092J with 17938985 sectors<br>D-SCA Drive with 17783249 sectors<br>2B<br>)<br>7<br>28:05<br>TSR  |
| Used:<br>Driv<br>Driv<br>Driv<br>Commands<br>executed:<br>Wind<br>tall<br>hdl5<br>test<br>Shut<br>Log File<br>Highlights:<br>Moni<br>tall<br>@(#)<br>Now<br>****<br>HDL<br>****<br>HDL<br>****<br>CMD:<br>Case<br>Comm<br>Date<br>Vers<br>Oper<br>Host<br>Numk<br>0<br>1<br>2<br>Resu<br>0<br>0  | <pre>e 81, label 8A is a WDC WD200EB-00CSI<br/>e 82, label E4 is a QUANTUM ATLAS10K2<br/>e 83, label 2B is a Quantum QM39100TI<br/>Host (HDL in AUTOEXEC.BAT)<br/>www 98 [Version 4.10.2222]<br/>/13<br/>l3<br/>-hdl SWB-37 Cadfael Blive w 6F 8A E4<br/>down Host<br/>* Monitor Execution *****<br/>for BIOS interrupt 13h (disk service<br/>/13 compiled on 07/29/03 at 07:33:17<br/>Version 1.1 Created 07/29/03 at 07:23<br/>(09/25/03 at 15:13:32) Going ?<br/>* Install HDL Log *****<br/> Hard-Disk (Int_13) Write Lock V0.9<br/>4 Hard-Disks reported by Int_13h<br/>Hard-Disk 1 Locked!<br/>Hard-Disk 1 Locked!</pre>   | F0 with 39102336 sectors<br>2-TY092J with 17938985 sectors<br>D-SCA Drive with 17783249 sectors<br>2B<br>)<br>7<br>28:05<br>TSR  |
| executed:<br>Wind<br>tall<br>hdl5<br>test<br>Shut<br>Log File<br>Highlights:<br>Moni<br>tall<br>@(#)<br>Now<br>****<br>HDL<br>****<br>CMD:<br>Case<br>Comm<br>Date<br>Comm<br>Date<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Date<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Case<br>Comm<br>Case<br>Case<br>Case<br>Case<br>Case<br>Case<br>Case<br>Case | <pre>bys 98 [Version 4.10.2222] /13 13 -hdl SWB-37 Cadfael Blive w 6F 8A E4 bown Host * Monitor Execution ***** cor BIOS interrupt 13h (disk service r13 compiled on 07/29/03 at 07:33:1 Version 1.1 Created 07/29/03 at 07:2 (09/25/03 at 15:13:32) Going (09/25/03 at 15:13:32) Going * Install HDL Log ***** Hard-Disk (Int_13) Write Lock V0.5 4 Hard-Disks reported by Int_13h Hard-Disk 0 Not Locked! Hard-Disk 1 Locked!</pre>  | )<br>7<br>28:05<br>TSR   |
| hdl5<br>test<br>Shut<br>Log File<br>Highlights:<br>Moni<br>tall<br>@(#)<br>Now<br>****<br>HDL<br>Case<br>Comm<br>Date<br>Comm<br>Date<br>Comm<br>Date<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Comm<br>Date<br>Case<br>Comm<br>Date<br>Vers<br>Numk<br>Numk  | 13<br>-hdl SWB-37 Cadfael Blive w 6F 8A E4<br>down Host<br>* Monitor Execution *****<br>cor BIOS interrupt 13h (disk service<br>rl3 compiled on 07/29/03 at 07:33:17<br>Version 1.1 Created 07/29/03 at 07:2<br>(09/25/03 at 15:13:32) Going 7<br>* Install HDL Log *****<br>- Hard-Disk (Int_13) Write Lock VO.5<br>4 Hard-Disks reported by Int_13h<br>Hard-Disk 0 Not Locked!<br>Hard-Disk 1 Locked!  | )<br>7<br>28:05<br>TSR   |
| Highlights: Moni<br>tall<br>@(#)<br>Now<br>****<br>HDL<br>****<br>CMD:<br>Case<br>Comm<br>Date<br>Vers<br>Oper<br>Host<br>Numb<br>0<br>1<br>2<br>Resu<br>0<br>1<br>2<br>Resu<br>0  | <pre>cor BIOS interrupt 13h (disk service<br/>/13 compiled on 07/29/03 at 07:33:17<br/>Version 1.1 Created 07/29/03 at 07:2<br/>09/25/03 at 15:13:32) Going ?<br/>* Install HDL Log *****<br/> Hard-Disk (Int_13) Write Lock V0.9<br/>4 Hard-Disks reported by Int_13h<br/>Hard-Disk 0 Not Locked!<br/>Hard-Disk 1 Locked!</pre>   | 7<br>28:05<br>TSR  |
| Now<br>*****<br>HDL<br>****<br>CMD:<br>Case<br>Comm<br>Date<br>Vers<br>Oper<br>Host<br>Numb<br>0<br>1<br>2<br>Resu<br>0<br>1<br>2<br>2<br>Resu<br>0<br>0   | 09/25/03 at 15:13:32) Going<br>Install HDL Log *****<br>- Hard-Disk (Int_13) Write Lock VO.!<br>4 Hard-Disks reported by Int_13h<br>Hard-Disk 0 Not Locked!<br>Hard-Disk 1 Locked!   | TSR  |
| CMD:<br>Case<br>Comm<br>Date<br>Vers<br>Oper<br>Host<br>Numb<br>0<br>1<br>2<br>Resu<br>0<br>1<br>2<br>Resu<br>0<br>0   | Hard-Disk 0 Not Locked!<br>Hard-Disk 1 Locked!   |  |
| Case<br>Comm<br>Date<br>Vers<br>Oper<br>Host<br>Numb<br>0<br>1<br>2<br>Resu<br>0<br>1<br>2<br>Resu<br>0<br>0   | Hard-Disk 2 Not Locked!<br>Hard-Disk 3 Locked!<br>H-D Write Lock successfully instal<br>* Test Harness Log *****   |  |
| Oper<br>Host<br>Numb<br>0<br>1<br>2<br>Resu<br>0<br>1<br>2<br>Resu<br>0  | A:\TEST-HDL.EXE SWB-37 Cadfael Blive<br>SWB-37<br>and set: Write<br>Thu Sep 25 15:15:09 2003   | e w of 8A E4 2B  |
| 0<br>1<br>2<br>Resu<br>0<br>1<br>2<br>Resu<br>0  | <pre>lon: @(#) test-hdl.cpp Version 1.1 Cr<br/>@(#) wb-defs.h Version 1.2 Create<br/>Compiled on Aug 31 2003 at 08:10:<br/>ator: Blive<br/>: Cadfael</pre>   | ed 08/31/03 at 08:18:19  |
| 1<br>2<br>Resu<br>0<br>1<br>2<br>Resu<br>0   | er of drives 4, Drives: 6F 8A E4 2B<br>Case Cmd Drv Action Stat Cry Count<br>SWB-37 <03> 80 Allowed 0000 Off   | t Cmd Name<br>1 WriteSectors   |
| Resu<br>0  | SWB-37         <0B>         80         Allowed         0000         Off         30           SWB-37         <43>         80         Allowed         0000         Off         31           SWB-37         <43>         80         Allowed         0000         Off         31           Lts         for         SWB-37         category         w         on         drive         80           SWB-37         <03>         81         Blocked         0300         On         00           SWB-37         <0B>         81         Blocked         0300         On         00   | 1 WriteLong<br>1 ExtWrite<br>0 No commands blocked (0 of 3)<br>0 WriteSectors<br>0 WriteLong   |
| 2  | Lts         for         SWB-37         category         w         on         drive         8           SWB-37         <03>         82         Allowed         0000         Off         3           SWB-37         <0B>         82         Allowed         0000         Off         3           SWB-37         <0B>         82         Allowed         0000         Off         3           SWB-37         <43>         82         Allowed         0000         Off         3   | 1 WriteSectors<br>1 WriteLong<br>1 ExtWrite  |
| 0  | SWB-37 <0B> 83 Blocked 0300 On (   | 2 No commands blocked (0 of 3)<br>0 WriteSectors<br>0 WriteLong<br>0 ExtWrite  |
|  | te for SWB-37 astegory w on drive of   | 3 All commands blocked (3 of 3)<br>ed  |
| Degulta:   | ary: 12 sent, 6 blocked, 6 not blocke  |  |
| Results: Ass<br>AM-  |  | Actual Results   |

| Case SWB-37 HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997 |                                  |                              |                              |
|---|----------------------------------|------------------------------|------------------------------|
|   | 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 blocked | All cmds to drive 81 blocked |
|   | AO-08                            | All cmds to drive 83 blocked | All cmds to drive 83 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  |
| Analysis:   | SWB-37 Expected results achieved |                              |                              |

| Case SWB-38 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|-----------------|--|
| Case summary:   | SWB-38 Install all drives, configure to be active at boot and shutdown,                                  |
| case summary    | configure return code to success, protect with pattern even, 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-08. If the tool is active during the operating system boot and                                    |
|                 | shutdown processes then no changes are made to any protected drives.                                     |
| Tester Name:    | JRL  |
| Test Date:      | Mon Sep 29 14:19:29 2003   |
| Test PC:        | McMillan   |
| 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 64 is a WDC WD64AA with 12594960 sectors   |
|                 | Drive 83, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548                                     |
|                 | sectors  |
|                 | Drive 84, label E3 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors                                   |
| Commands        | Boot Host (HDL in AUTOEXEC.BAT)  |
| executed:       |  |
|                 | Windows 98 [Version 4.10.2222]   |
|                 | tally13  |
|                 | hdl5 S024<br>test-hdl SWB-38 McMillan JRL w 90 8A 64 1F E3   |
|                 | Shutdown Host  |
| 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 (09/29/03 at 14:13:08) Going TSR   |
|                 | ***** Install HDL Log *****  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                                      |
|                 | 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!<br>Hard-Disk 4 Locked!   |
|                 | Hard-Disk 4 Locked!<br>H-D Write Lock successfully installed.  |
|                 | ***** Test Harness Log *****   |
|                 | CMD: A:\TEST-HDL.EXE SWB-38 McMillan JRL w 90 8A 64 1F E3  |
|                 | Case: SWB-38   |
|                 | Command set: Write   |
|                 | Date: Mon Sep 29 14:19:29 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   |
| A areat 2004    | Number of drives 5, Drives: 90 8A 64 1F E3   |

| Case SWB-38 HDL | Hard-Disk   | (Int_13) Write Lock V0.5 9712   | 02 (C)GKH 1993,1994,1997      |
|-----------------|-------------|---------------------------------|-------------------------------|
|                 |             | Cmd Drv Action Stat Cry Count   | Cmd Name                      |
|                 |             | <03> 80 Blocked 0000 Off 0      |                               |
|                 | 1 SWB-38 ·  | <0B> 80 Blocked 0000 Off 0      | WriteLong                     |
|                 | 2 SWB-38 ·  | <43> 80 Blocked 0000 Off 0      | ExtWrite                      |
|                 | Results for | SWB-38 category w on drive 80   | All commands blocked (3 of 3) |
|                 |             |                                 | WriteSectors                  |
|                 |             | <ob> 81 Allowed 0000 Off 1</ob> | WriteLong                     |
|                 |             |                                 | ExtWrite                      |
|                 |             | SWB-38 category w on drive 81   | . ,                           |
|                 |             | <03> 82 Blocked 0000 Off 0      |                               |
|                 |             | <0B> 82 Blocked 0000 Off 0      |                               |
|                 |             |                                 | ExtWrite                      |
|                 |             | SWB-38 category w on drive 82   | . ,                           |
|                 |             |                                 | WriteSectors                  |
|                 |             |                                 | WriteLong                     |
|                 |             |                                 | ExtWrite                      |
|                 |             | SWB-38 category w on drive 83   |                               |
|                 |             |                                 | WriteSectors                  |
|                 |             |                                 | WriteLong                     |
|                 |             |                                 | ExtWrite                      |
|                 |             | SWB-38 category w on drive 84   |                               |
|                 | Summary: 15 | sent, 9 blocked, 6 not blocked  | 1                             |
|                 |             |                                 |                               |
| 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 blocked    | All cmds to drive 80 blocked  |
|                 | AO-08       | All cmds to drive 82 blocked    | All cmds to drive 82 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   |
|                 |             |                                 |                               |

| Case SWB-39 HDL       | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |  |
|-----------------------|--|--|--|--|
| Case summary:         | SWB-39 Install all drives, configure return code to failure, protect with pattern high, execute write commands, uninstall, execute all commands.   |  |  |  |
| Assertions<br>Tested: | <ul> <li>SWB-AM-07. If the tool is executed then the tool shall issue a message indicating that the tool is active.</li> <li>SWB-AM-08. If the tool is executed then the tool shall issue a message indicating all drives accessible by the covered interfaces.</li> <li>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.</li> <li>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.</li> <li>SWB-AO-09. If the tool is active and the tool is then uninstalled then no commands to any drive shall be blocked.</li> </ul> |  |  |  |
| Tester Name:          | JRL  |  |  |  |
| Test Date:            | Mon Sep 29 14:10:04 2003   |  |  |  |
| Test PC:              | McMillan   |  |  |  |
| Test Software:        | SWBT 1.0   |  |  |  |
| Hard Drives<br>Used:  | Drive 80, label 90 is a WDC WD300BB-00CAA0 with 58633344 sectors<br>Drive 81, label 8A is a WDC WD200EB-00CSF0 with 39102336 sectors<br>Drive 82, label 64 is a WDC WD64AA with 12594960 sectors<br>Drive 83, label 1F is a Quantum ATLAS10K3_18_SCA Drive with 35916548<br>sectors<br>Drive 84, label E4 is a QUANTUM ATLAS10K2-TY092J with 17938985 sectors  |  |  |  |
| Commands<br>executed: | Boot Test PC<br>Windows 98 [Version 4.10.2222]<br>tally13<br>hdl5 234  |  |  |  |

| Case SWB-39 HDI | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |
|-----------------|--|--|--|
|                 | test-hdl SWB-39 McMillan JRL w 90 8A 64 1F E4  |  |  |
|                 | t-off SWB-39 McMillan JRL  |  |  |
|                 | hdl5 R   |  |  |
|                 | test-hdl SWB-39 McMillan JRL a 90 8A 64 1F E4  |  |  |
| Log File        | Shutdown Test PC<br>***** 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 (09/29/03 at 14:09:41) Going TSR   |  |  |
|                 | ***** Install HDL Log *****<br>HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997                     |  |  |
|                 | 5 Hard-Disks reported by Int_13h   |  |  |
|                 | Hard-Disk 0 Not Locked!  |  |  |
|                 | Hard-Disk 1 Not Locked!  |  |  |
|                 | Hard-Disk 2 Locked!  |  |  |
|                 | Hard-Disk 3 Locked!<br>Hard-Disk 4 Locked!   |  |  |
|                 | H-D Write Lock successfully installed.   |  |  |
|                 | ***** Blocked Write Commands *****   |  |  |
|                 | CMD: a:\TEST-HDL.EXE SWB-39 McMillan JRL w 90 8A 64 1F E4  |  |  |
|                 | Case: SWB-39   |  |  |
|                 | Command set: Write<br>Date: Mon Sep 29 14:09:49 2003   |  |  |
|                 | - Date. Mon Dep 25 11.09.19 2005   |  |  |
|                 | 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<br>Host: McMillan  |  |  |
|                 | Number of drives 5, Drives: 90 8A 64 1F E4   |  |  |
|                 | 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 1 WriteLong  |  |  |
|                 | 2 SWB-39 <43> 80 Allowed 0000 Off 1 ExtWrite<br>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 1 WriteLong  |  |  |
|                 | 2 SWB-39 <43> 81 Allowed 0000 Off 1 ExtWrite   |  |  |
|                 | 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<br>1 SWB-39 <0B> 82 Blocked 0300 On 0 WriteLong                        |  |  |
|                 | 2 SWB-39 <43> 82 Blocked 0300 On 0 ExtWrite  |  |  |
|                 | 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 0 WriteLong   |  |  |
|                 | 2 SWB-39 <43> 83 Blocked 0300 On 0 ExtWrite<br>Results for SWB-39 category w on drive 83 All commands blocked (3 of 3) |  |  |
|                 |  |  |  |
|                 | 0 SWB-39 <03> 84 Blocked 0300 On 0 WriteSectors<br>1 SWB-39 <0B> 84 Blocked 0300 On 0 WriteLong                        |  |  |
|                 | 2 SWB-39 <43> 84 Blocked 0300 On 0 ExtWrite  |  |  |
|                 | Results for SWB-39 category w on drive 84 All commands blocked (3 of 3)  |  |  |
|                 | Summary: 15 sent, 9 blocked, 6 not blocked   |  |  |
|                 |  |  |  |
|                 | Number of Commands not blocked (should total to 6)   |  |  |
|                 | Drive Count  |  |  |
|                 | 80 3   |  |  |
|                 | 81 3<br>82 0   |  |  |
|                 | 83 0   |  |  |
|                 | 84 0   |  |  |
|                 | ***** Uninstall HDL Log *****  |  |  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |  |  |
|                 | H-D Write Lock removed.<br>***** Test Harness Log *****  |  |  |
|                 | CMD: a:\TEST-HDL.EXE SWB-39 McMillan JRL a 90 8A 64 1F E4  |  |  |
|                 | Case: SWB-39   |  |  |
|                 | Command set: All   |  |  |
|                 | Date: Mon Sep 29 14:10:04 2003   |  |  |
|                 | Version: $(\#)$ test-hdl con Version 1 1 Greated 09/02/02 at 10.12.51  |  |  |
| L               | Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51  |  |  |

| Case SWB-39 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|-----------------|---|
|                 | @(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19   |
|                 | Compiled on Aug 31 2003 at 08:10:54<br>Operator: JRL  |
|                 | Host: McMillan  |
|                 | Number of drives 5, Drives: 90 8A 64 1F E4  |
|                 | Warning: non-zero tally (3) for drive 80 (reboot to clear)  |
|                 | Warning: non-zero tally (3) for drive 81 (reboot to clear)<br>Case Cmd Drv Action Stat Cry Count Cmd Name                   |
|                 | 0 SWB-39 <00> 80 Allowed 0000 Off 1 Reset   |
|                 | 1 SWB-39 <oc> 80 Allowed 0000 Off 1 SeekDrive</oc>  |
|                 | 2 SWB-39 <0D> 80 Allowed 0000 Off 1 AltReset  |
|                 | 3 SWB-39 <11> 80 Allowed 0000 Off 1 Recalibrate<br>4 SWB-39 <47> 80 Allowed 0000 Off 1 ExtendedSeek                         |
|                 | 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 SWB-39 <0C> 81 Allowed 0000 Off 1 SeekDrive<br>2 SWB-39 <0D> 81 Allowed 0000 Off 1 AltReset                               |
|                 | 3 SWB-39 <11> 81 Allowed 0000 Off 1 Recalibrate   |
|                 | 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<br>1 SWB-39 <0C> 82 Allowed 0000 Off 1 SeekDrive                                  |
|                 | 2 SWB-39 <od> 82 Allowed 0000 Off 1 AltReset</od>   |
|                 | 3 SWB-39 <11> 82 Allowed 0000 Off 1 Recalibrate   |
|                 | 4 SWB-39 <47> 82 Allowed 0000 Off 1 ExtendedSeek  |
|                 | Results for SWB-39 category c on drive 82 No commands blocked (0 of 5)<br>0 SWB-39 <00> 83 Allowed 0000 Off 1 Reset         |
|                 | 1 SWB-39 <0C> 83 Allowed 0000 Off 1 SeekDrive   |
|                 | 2 SWB-39 <0D> 83 Allowed 0000 Off 1 AltReset  |
|                 | 3 SWB-39 <11> 83 Allowed 0000 Off 1 Recalibrate   |
|                 | 4 SWB-39 <47> 83 Allowed 0000 Off 1 ExtendedSeek  |
|                 | Results for SWB-39 category c on drive 83 No commands blocked (0 of 5)<br>0 SWB-39 <00> 84 Allowed 0000 Off 1 Reset         |
|                 | 1 SWB-39 <oc> 84 Allowed 0000 Off 1 SeekDrive</oc>  |
|                 | 2 SWB-39 <od> 84 Allowed 0000 Off 1 AltReset</od>   |
|                 | 3 SWB-39 <11> 84 Allowed 0000 Off 1 Recalibrate   |
|                 | 4 SWB-39 <47> 84 Allowed 0000 Off 1 ExtendedSeek<br>Results for SWB-39 category c on drive 84 No commands blocked (0 of 5)  |
|                 | Summary: 25 sent, 0 blocked, 25 not blocked   |
|                 |   |
|                 | 0 SWB-39 <01> 80 Allowed 0000 Off 1 GetLastStatus<br>1 SWB-39 <04> 80 Allowed 0000 Off 1 VerifySectors                      |
|                 | 2 SWB-39 <08> 80 Allowed 0000 Off 1 ReadDriveParms  |
|                 | 3 SWB-39 <10> 80 Allowed 0000 Off 1 TestDriveReady  |
|                 | 4 SWB-39 <15> 80 Allowed 0000 Off 1 ReadDriveType   |
|                 | 5 SWB-39 <41> 80 Allowed 0000 Off 1 CheckForExtensions<br>6 SWB-39 <44> 80 Allowed 0000 Off 1 VerifySectors                 |
|                 | 7 SWB-39 <48> 80 Allowed 0000 Off 1 GetDriveParms   |
|                 | 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<br>2 SWB-39 <08> 81 Allowed 0000 Off 1 ReadDriveParms                     |
|                 | 3 SWB-39 <10> 81 Allowed 0000 Off 1 TestDriveReady  |
|                 | 4 SWB-39 <15> 81 Allowed 0000 Off 1 ReadDriveType   |
|                 | 5 SWB-39 <41> 81 Allowed 0000 Off 1 CheckForExtensions  |
|                 | 6 SWB-39 <44> 81 Allowed 0000 Off 1 VerifySectors<br>7 SWB-39 <48> 81 Allowed 0000 Off 1 GetDriveParms                      |
|                 | 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   |
|                 | 2 SWB-39 <08> 82 Allowed 0000 Off 1 ReadDriveParms<br>3 SWB-39 <10> 82 Allowed 0000 Off 1 TestDriveReady                    |
|                 | 3 SWB-39 <10> 82 Allowed 0000 Off 1 TestDriveReady<br>4 SWB-39 <15> 82 Allowed 0000 Off 1 ReadDriveType                     |
|                 | 5 SWB-39 <41> 82 Allowed 0000 Off 1 CheckForExtensions  |
|                 | 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)<br>0 SWB-39 <01> 83 Allowed 0000 Off 1 GetLastStatus |
|                 | 1 SWB-39 <04> 83 Allowed 0000 Off 1 VerifySectors   |
|                 | 2 SWB-39 <08> 83 Allowed 0000 Off 1 ReadDriveParms  |
|                 | 3 SWB-39 <10> 83 Allowed 0000 Off 1 TestDriveReady  |
|                 | 4 SWB-39 <15> 83 Allowed 0000 Off 1 ReadDriveType   |

| Case SWB-39 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |  |
|-----------------|---|--|
|                 | 5 SWB-39 <41> 83 Allowed 0000 Off 1 CheckForExtensions  |  |
|                 | 6 SWB-39 <44> 83 Allowed 0000 Off 1 VerifySectors   |  |
|                 | 7 SWB-39 <48> 83 Allowed 0000 Off 1 GetDriveParms   |  |
|                 | Results for SWB-39 category i on drive 83 No commands blocked (0 of 8)<br>0 SWB-39 <01> 84 Allowed 0000 Off 1 GetLastStatus |  |
|                 | 1 SWB-39 <04> 84 Allowed 0000 Off 1 VerifySectors   |  |
|                 | 2 SWB-39 <08> 84 Allowed 0000 Off 1 ReadDriveParms  |  |
|                 | 3 SWB-39 <10> 84 Allowed 0000 Off 1 TestDriveReady  |  |
|                 | 4 SWB-39 <15> 84 Allowed 0000 Off 1 ReadDriveType   |  |
|                 | 5 SWB-39 <41> 84 Allowed 0000 Off 1 CheckForExtensions  |  |
|                 | 6 SWB-39 <44> 84 Allowed 0000 Off 1 VerifySectors   |  |
|                 | 7 SWB-39 <48> 84 Allowed 0000 Off 1 GetDriveParms<br>Results for SWB-39 category i on drive 84 No commands blocked (0 of 8) |  |
|                 | Summary: 40 sent, 0 blocked, 40 not blocked   |  |
|                 |   |  |
|                 | 0 SWB-39 <02> 80 Allowed 0000 Off 1 ReadSectors   |  |
|                 | 1 SWB-39 <0A> 80 Allowed 0000 Off 1 ReadLong<br>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 SWB-39 <oa> 81 Allowed 0000 Off 1 ReadLong</oa>   |  |
|                 | 2 SWB-39 <42> 81 Allowed 0000 Off 1 ExtRead   |  |
|                 | Results for SWB-39 category r on drive 81 No commands blocked (0 of 3)  |  |
|                 | 0 SWB-39 <02> 82 Allowed 0000 Off 1 ReadSectors<br>1 SWB-39 <0A> 82 Allowed 0000 Off 1 ReadLong                             |  |
|                 | 2 SWB-39 <42> 82 Allowed 0000 Off 1 ExtRead   |  |
|                 | 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)  |  |
|                 | 0 SWB-39 <02> 84 Allowed 0000 Off 1 ReadSectors<br>1 SWB-39 <0A> 84 Allowed 0000 Off 1 ReadLong                             |  |
|                 | 2 SWB-39 <42> 84 Allowed 0000 Off 1 ExtRead   |  |
|                 | Results for SWB-39 category r on drive 84 No commands blocked (0 of 3)  |  |
|                 | Summary: 15 sent, 0 blocked, 15 not blocked   |  |
|                 | 0 SWB-39 <03> 80 Allowed 0000 Off 2 WriteSectors  |  |
|                 | 0 SWB-39 <03> 80 Allowed 0000 Off 2 WriteSectors<br>1 SWB-39 <0B> 80 Allowed 0000 Off 2 WriteLong                           |  |
|                 | 2 SWB-39 <43> 80 Allowed 0000 Off 2 ExtWrite  |  |
|                 | 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)<br>0 SWB-39 <03> 82 Allowed 0000 Off 1 WriteSectors  |  |
|                 | 1 SWB-39 <ob> 82 Allowed 0000 Off 1 WriteLong</ob>  |  |
|                 | 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 <0B> 83 Allowed 0000 Off 1 WriteLong<br>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)  |  |
|                 | 0 SWB-39 <03> 84 Allowed 0000 Off 1 WriteSectors  |  |
|                 | 1 SWB-39 <0B> 84 Allowed 0000 Off 1 WriteLong   |  |
|                 | 2 SWB-39 <43> 84 Allowed 0000 Off 1 ExtWrite  |  |
|                 | Results for SWB-39 category w on drive 84 No commands blocked (0 of 3)  |  |
|                 | Summary: 15 sent, 0 blocked, 15 not blocked   |  |
|                 | 0 SWB-39 <05> 80 Allowed 0000 Off 1 FormatTrack   |  |
|                 | 1 SWB-39 <06> 80 Allowed 0000 Off 1 FormatBadSectors  |  |
|                 | 2 SWB-39 <07> 80 Allowed 0000 Off 1 FormatCyl   |  |
|                 | 3 SWB-39 <09> 80 Allowed 0000 Off 1 InitDriveParms  |  |
|                 | 4 SWB-39 <oe> 80 Allowed 0000 Off 1 DiagnosticESDI</oe>   |  |
|                 | 5 SWB-39 <0F> 80 Allowed 0000 Off 1 DiagnosticESDI<br>6 SWB-39 <12> 80 Allowed 0000 Off 1 DiagnosticRAM                     |  |
|                 | 7 SWB-39 <12> 80 Allowed 0000 Off 1 DiagnosticDrive   |  |
|                 | 8 SWB-39 <14> 80 Allowed 0000 Off 1 DiagnosticCTL   |  |
|                 | 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 FormatCyl   |  |

| Cago SWB-39 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|-----------------|--|
| Case SWB-33 HDL | 3 SWB-39 <09> 81 Allowed 0000 Off 1 InitDriveParms   |
|                 | 4 SWB-39 <0E> 81 Allowed 0000 Off 1 DiagnosticESDI   |
|                 | 5 SWB-39 <of> 81 Allowed 0000 Off 1 DiagnosticESDI</of>  |
|                 | 6 SWB-39 <12> 81 Allowed 0000 Off 1 DiagnosticRAM  |
|                 | 7 SWB-39 <13> 81 Allowed 0000 Off 1 DiagnosticDrive<br>8 SWB-39 <14> 81 Allowed 0000 Off 1 DiagnosticCTL   |
|                 | 8 SWB-39 <14> 81 Allowed 0000 Off 1 DiagnosticCTL<br>Results for SWB-39 category x on drive 81 No commands blocked (0 of 9)  |
|                 | 0 SWB-39 <05> 82 Allowed 0000 Off 1 FormatTrack  |
|                 | 1 SWB-39 <06> 82 Allowed 0000 Off 1 FormatBadSectors   |
|                 | 2 SWB-39 <07> 82 Allowed 0000 Off 1 FormatCyl  |
|                 | 3 SWB-39 <09> 82 Allowed 0000 Off 1 InitDriveParms   |
|                 | 4 SWB-39 <0E> 82 Allowed 0000 Off 1 DiagnosticESDI<br>5 SWB-39 <0F> 82 Allowed 0000 Off 1 DiagnosticESDI   |
|                 | 6 SWB-39 <12> 82 Allowed 0000 Off 1 DiagnosticRAM  |
|                 | 7 SWB-39 <13> 82 Allowed 0000 Off 1 DiagnosticDrive  |
|                 | 8 SWB-39 <14> 82 Allowed 0000 Off 1 DiagnosticCTL  |
|                 | 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<br>1 SWB-39 <06> 83 Allowed 0000 Off 1 FormatBadSectors  |
|                 | 2 SWB-39 <07> 83 Allowed 0000 Off 1 FormatCyl  |
|                 | 3 SWB-39 <09> 83 Allowed 0000 Off 1 InitDriveParms   |
|                 | 4 SWB-39 <0E> 83 Allowed 0000 Off 1 DiagnosticESDI   |
|                 | 5 SWB-39 <of> 83 Allowed 0000 Off 1 DiagnosticESDI</of>  |
|                 | 6 SWB-39 <12> 83 Allowed 0000 Off 1 DiagnosticRAM  |
|                 | 7 SWB-39 <13> 83 Allowed 0000 Off 1 DiagnosticDrive<br>8 SWB-39 <14> 83 Allowed 0000 Off 1 DiagnosticCTL   |
|                 | Results for SWB-39 category x on drive 83 No commands blocked (0 of 9)   |
|                 | 0 SWB-39 <05> 84 Allowed 0000 Off 1 FormatTrack  |
|                 | 1 SWB-39 <06> 84 Allowed 0000 Off 1 FormatBadSectors   |
|                 | 2 SWB-39 <07> 84 Allowed 0000 Off 1 FormatCyl  |
|                 | 3 SWB-39 <09> 84 Allowed 0000 Off 1 InitDriveParms<br>4 SWB-39 <0E> 84 Allowed 0000 Off 1 DiagnosticESDI   |
|                 | 5 SWB-39 <of> 84 Allowed 0000 Off 1 DiagnosticESDI</of>  |
|                 | 6 SWB-39 <12> 84 Allowed 0000 Off 1 DiagnosticRAM  |
|                 | 7 SWB-39 <13> 84 Allowed 0000 Off 1 DiagnosticDrive  |
|                 | 8 SWB-39 <14> 84 Allowed 0000 Off 1 DiagnosticCTL  |
|                 | Results for SWB-39 category x on drive 84 No commands blocked (0 of 9)<br>Summary: 45 sent, 0 blocked, 45 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</fe>   |
|                 | 227 SWB-39 <ff> 80 Allowed 0000 Off 1 Undefined</ff>   |
|                 | 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<br/>227 SWB-39 <ff> 81 Allowed 0000 Off 1 Undefined<br/>Results for SWB-39 category m on drive 81 No commands blocked (0 of 228)</ff></fe> |
|                 | 0 SWB-39 <16> 82 Allowed 0000 Off 1 Undefined  |
|                 | misc commands 17-FD results omitted  |
|                 | see log files for full results   |
|                 |  |
| 1               |  |

| Case SWB-39 HDL | Hard-Disk  | (Int_13) Write Lock V0.5   | 971202 (C)GKH 1993,1994,1   | 997        |
|-----------------|--|--|-----------------------------|------------|
|                 |  | <fe> 82 Allowed 0000 Off</fe>  |                             |            |
|                 | 227 SWB-39   | <ff> 82 Allowed 0000 Off</ff>  | 1 Undefined                 |            |
|                 |  |  | ve 82 No commands blocked ( | (0 of 228) |
|                 | 0 SWB-39   | <16> 83 Allowed 0000 Off   | 1 Undefined                 |            |
|                 |  |  |                             |            |
|                 | mi   | sc commands 17-FD results  | omitted                     |            |
|                 | se   | e log files for full resul   | lts                         |            |
|                 |  |  |                             |            |
|                 | 226 SWB-39   | <pre><fe> 83 Allowed 0000 Off <ff> 83 Allowed 0000 Off</ff></fe></pre> | 1 Undefined                 |            |
|                 |  |  |                             |            |
|                 |  |  | ve 83 No commands blocked ( | (0 of 228) |
|                 | 0 SWB-39   | <16> 84 Allowed 0000 Off   | 1 Undefined                 |            |
|                 |  |  |                             |            |
|                 | misc commands 17-FD results omitted                  |  |                             |            |
|                 | see log files for full results                       |  |                             |            |
|                 |  |  |                             |            |
|                 | 226 SWB-39   | <fe> 84 Allowed 0000 Off</fe>  | 1 Undefined                 |            |
|                 | 227 SWB-39 <ff> 84 Allowed 0000 Off 1 Undefined</ff> |  |                             |            |
|                 |  |  | ve 84 No commands blocked ( | (0 of 228) |
|                 |  | 40 sent, 0 blocked, 1140 r   |                             |            |
|                 |  |  |                             |            |
|                 |  |  |                             |            |
| 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 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-09  | SWB removed  | H-D Write Lock removed.     |            |
| Analysis:       | SWB-39 Expe  | cted results achieved  |                             |            |

| Case SWB-40 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997           |  |  |  |
|-----------------|---|--|--|--|
| 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:    | Blive   |  |  |  |
| Test Date:      | Thu Sep 25 13:55:23 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 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  |  |  |  |
| executed:       |   |  |  |  |
|                 | Windows 98 [Version 4.10.2222]  |  |  |  |
|                 | tally13   |  |  |  |
|                 | hdl5 S01  |  |  |  |
|                 | test-hdl SWB-40 Rumpole Blive w 6F 8A E4 2B                               |  |  |  |
| A               | 72 - 677 Track Description for <b>UDI V</b> (0.5)                         |  |  |  |

| Case SWB-40 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|-----------------|--|
|                 | t-off SWB-40 Rumpole Blive   |
|                 | hdl5 R   |
|                 | test-hdl SWB-40 Rumpole Blive a 6F 8A E4 2B  |
|                 | Shutdown Test PC   |
| Log File        | ***** Monitor Execution *****  |
| Highlights:     | Monitor BIOS interrupt 13h (disk service)<br>tally13 compiled on 07/29/03 at 07:33:17  |
|                 | (a) (#) Version 1.1 Created 07/29/03 at 07:28:05   |
|                 | Now (09/25/03 at 13:55:14) Going TSR   |
|                 | ***** Install HDL Log *****  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|                 | 4 Hard-Disks reported by Int_13h   |
|                 | Hard-Disk 0 Locked!  |
|                 | Hard-Disk 1 Locked!<br>Hard-Disk 2 Not Locked!   |
|                 | Hard-Disk 2 Not Locked!<br>Hard-Disk 3 Not Locked!   |
|                 | H-D Write Lock successfully installed.   |
|                 | ***** Blocked Write Commands *****   |
|                 | CMD: a:\TEST-HDL.EXE SWB-40 Rumpole Blive w 6F 8A E4 2B  |
|                 | Case: SWB-40   |
|                 | Command set: Write   |
|                 | Date: Thu Sep 25 13:55:17 2003   |
|                 | Manajar, @(#) toot bdl are Manajar 1 1 Guastad 00/02/02 at 10:12:51  |
|                 | Version: @(#) test-hdl.cpp Version 1.1 Created 08/23/03 at 10:13:51<br>@(#) wb-defs.h Version 1.2 Created 08/31/03 at 08:18:19 |
|                 | Compiled on Aug 31 2003 at 08:10:54  |
|                 | Operator: Blive  |
|                 | Host: Rumpole  |
|                 | Number of drives 4, Drives: 6F 8A E4 2B  |
|                 | Case Cmd Drv Action Stat Cry Count Cmd Name  |
|                 | 0 SWB-40 <03> 80 Blocked 0000 Off 0 WriteSectors   |
|                 | 1 SWB-40 <0B> 80 Blocked 0000 Off 0 WriteLong<br>2 SWB-40 <43> 80 Blocked 0000 Off 0 ExtWrite                                  |
|                 | 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   |
|                 | 1 SWB-40 <0B> 81 Blocked 0000 Off 0 WriteLong  |
|                 | 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  |
|                 | 2 SWB-40 <43> 82 Allowed 0000 Off 1 ExtWrite<br>Results for SWB-40 category w on drive 82 No commands blocked (0 of 3)         |
|                 | 0 SWB-40 <03> 83 Allowed 0000 Off 1 WriteSectors   |
|                 | 1 SWB-40 <0B> 83 Allowed 0000 Off 1 WriteLong  |
|                 | 2 SWB-40 <43> 83 Allowed 0000 Off 1 ExtWrite   |
|                 | Results for SWB-40 category w on drive 83 No commands blocked (0 of 3)   |
|                 | Summary: 12 sent, 6 blocked, 6 not blocked   |
|                 |  |
|                 | Number of Commands not blocked (should total to 6)   |
|                 | Drive Count  |
|                 | 80 0   |
|                 | 81 0   |
|                 | 82 3   |
|                 | 83 3   |
|                 | ***** Uninstall HDL Log *****  |
|                 | HDL Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997  |
|                 | H-D Write Lock now non-removable!<br>***** Test Harness Log *****  |
|                 | CMD: a:\TEST-HDL.EXE SWB-40 Rumpole Blive a 6F 8A E4 2B  |
|                 | Case: SWB-40   |
|                 | Command set: All   |
|                 | Date: Thu Sep 25 13:55:23 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: Blive<br>Host: Rumpole   |
|                 | Number of drives 4, Drives: 6F 8A E4 2B  |
|                 | Warning: non-zero tally (3) for drive 82 (reboot to clear)   |
|                 | Warning: non-zero tally (3) for drive 83 (reboot to clear)   |
|                 |  |

| Case SWB-40 HDL | Hard-Disk (Int_13) Write Lock V0.5  | 9712 | 202 (C)GKH 1993,1994,1997                   |
|-----------------|---|------|---|
|                 | Case Cmd Drv Action Stat Cry Co   | unt  | Cmd Name                                    |
|                 | 0 SWB-40 <00> 80 Allowed 0000 Off   |      | Reset                                       |
|                 | 1 SWB-40 <0C> 80 Allowed 0000 Off<br>2 SWB-40 <0D> 80 Allowed 0000 Off      |      | SeekDrive<br>AltReset                       |
|                 | 3 SWB-40 <11> 80 Allowed 0000 Off   |      | Recalibrate                                 |
|                 | 4 SWB-40 <47> 80 Allowed 0000 Off   |      | ExtendedSeek                                |
|                 | Results for SWB-40 category c on drive                                      | 80   | No commands blocked (0 of 5)                |
|                 | 0 SWB-40 <00> 81 Allowed 0000 Off   |      | Reset                                       |
|                 | 1 SWB-40 <0C> 81 Allowed 0000 Off<br>2 SWB-40 <0D> 81 Allowed 0000 Off      |      | SeekDrive<br>AltReset                       |
|                 | 3 SWB-40 <11> 81 Allowed 0000 Off   |      | Recalibrate                                 |
|                 | 4 SWB-40 <47> 81 Allowed 0000 Off   |      | ExtendedSeek                                |
|                 | Results for SWB-40 category c on drive                                      | 81   | No commands blocked (0 of 5)                |
|                 | 0 SWB-40 <00> 82 Allowed 0000 Off   |      | Reset                                       |
|                 | 1 SWB-40 <oc> 82 Allowed 0000 Off</oc>                                      |      | SeekDrive                                   |
|                 | 2 SWB-40 <0D> 82 Allowed 0000 Off<br>3 SWB-40 <11> 82 Allowed 0000 Off      |      | AltReset<br>Recalibrate                     |
|                 | 4 SWB-40 <47> 82 Allowed 0000 Off   |      | ExtendedSeek                                |
|                 | Results for SWB-40 category c on drive                                      |      |   |
|                 | 0 SWB-40 <00> 83 Allowed 0000 Off   | 1    | Reset                                       |
|                 | 1 SWB-40 <oc> 83 Allowed 0000 Off</oc>                                      |      | SeekDrive                                   |
|                 | 2 SWB-40 <0D> 83 Allowed 0000 Off<br>3 SWB-40 <11> 83 Allowed 0000 Off      |      | AltReset<br>Recalibrate                     |
|                 |   |      | ExtendedSeek                                |
|                 | Results for SWB-40 category c on drive                                      |      |   |
|                 | Summary: 20 sent, 0 blocked, 20 not bl                                      |      |   |
|                 | 0 SWB-40 <01> 80 Allowed 0000 Off   | 1    | GetLastStatus                               |
|                 | 1 SWB-40 <04> 80 Allowed 0000 Off   |      | VerifySectors                               |
|                 | 2 SWB-40 <08> 80 Allowed 0000 Off   |      | ReadDriveParms                              |
|                 | 3 SWB-40 <10> 80 Allowed 0000 Off   | 1    | TestDriveReady                              |
|                 | 4 SWB-40 <15> 80 Allowed 0000 Off   |      | ReadDriveType                               |
|                 | 5 SWB-40 <41> 80 Allowed 0000 Off<br>6 SWB-40 <44> 80 Allowed 0000 Off      |      | CheckForExtensions                          |
|                 | 7 SWB-40 <44> 80 Allowed 0000 Off   |      | VerifySectors<br>GetDriveParms              |
|                 | Results for SWB-40 category i on drive                                      |      |   |
|                 | 0 SWB-40 <01> 81 Allowed 0000 Off   |      | GetLastStatus                               |
|                 | 1 SWB-40 <04> 81 Allowed 0000 Off   |      | VerifySectors                               |
|                 | 2 SWB-40 <08> 81 Allowed 0000 Off   |      | ReadDriveParms                              |
|                 | 3 SWB-40 <10> 81 Allowed 0000 Off<br>4 SWB-40 <15> 81 Allowed 0000 Off      |      | TestDriveReady<br>ReadDriveType             |
|                 | 5 SWB-40 <41> 81 Allowed 0000 Off   |      | CheckForExtensions                          |
|                 | 6 SWB-40 <44> 81 Allowed 0000 Off   | 1    | VerifySectors                               |
|                 | 7 SWB-40 <48> 81 Allowed 0000 Off   |      | GetDriveParms                               |
|                 | Results for SWB-40 category i on drive                                      |      |   |
|                 | 0 SWB-40 <01> 82 Allowed 0000 Off<br>1 SWB-40 <04> 82 Allowed 0000 Off      |      | GetLastStatus<br>VerifySectors              |
|                 | 2 SWB-40 <08> 82 Allowed 0000 Off   |      | ReadDriveParms                              |
|                 | 3 SWB-40 <10> 82 Allowed 0000 Off   | 1    |   |
|                 | 4 SWB-40 <15> 82 Allowed 0000 Off   |      | ReadDriveType                               |
|                 | 5 SWB-40 <41> 82 Allowed 0000 Off   |      | CheckForExtensions                          |
|                 | 6 SWB-40 <44> 82 Allowed 0000 Off   |      | VerifySectors                               |
|                 | 7 SWB-40 <48> 82 Allowed 0000 Off<br>Results for SWB-40 category i on drive |      | GetDriveParms                               |
|                 | 0 SWB-40 <01> 83 Allowed 0000 Off   |      | GetLastStatus                               |
|                 | 1 SWB-40 <04> 83 Allowed 0000 Off   |      | VerifySectors                               |
|                 | 2 SWB-40 <08> 83 Allowed 0000 Off   |      | ReadDriveParms                              |
|                 | 3 SWB-40 <10> 83 Allowed 0000 Off   |      | TestDriveReady                              |
|                 | 4 SWB-40 <15> 83 Allowed 0000 Off<br>5 SWB-40 <41> 83 Allowed 0000 Off      |      | ReadDriveType<br>CheckForExtensions         |
|                 | 6 SWB-40 <44> 83 Allowed 0000 Off   |      | VerifySectors                               |
|                 | 7 SWB-40 <48> 83 Allowed 0000 Off   |      | GetDriveParms                               |
|                 | Results for SWB-40 category i on drive                                      |      |   |
|                 | Summary: 32 sent, 0 blocked, 32 not bl                                      | ock  | ed  |
|                 | 0 SWB-40 <02> 80 Allowed 0000 Off   | 1    | ReadSectors                                 |
|                 | 1 SWB-40 <0A> 80 Allowed 0000 Off   |      | ReadLong                                    |
|                 | 2 SWB-40 <42> 80 Allowed 0000 Off   |      | ExtRead                                     |
|                 | Results for SWB-40 category r on drive<br>0 SWB-40 <02> 81 Allowed 0000 Off |      | No commands blocked (0 of 3)<br>ReadSectors |
|                 | 1 SWB-40 <02> 81 Allowed 0000 Off   |      | ReadLong                                    |
|                 | 2 SWB-40 <42> 81 Allowed 0000 Off   |      | ExtRead                                     |
| L I             |   | _    |   |

| Case SWB-40 HDL | Hard-Disk (Int_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997   |
|-----------------|---|
|                 | 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 1 ExtRead   |
|                 | Results for SWB-40 category r on drive 82 No commands blocked (0 of 3)  |
|                 | 0 SWB-40 <02> 83 Allowed 0000 Off 1 ReadSectors<br>1 SWB-40 <0A> 83 Allowed 0000 Off 1 ReadLong                             |
|                 | 2 SWB-40 <42> 83 Allowed 0000 Off 1 ExtRead   |
|                 | Results for SWB-40 category r on drive 83 No commands blocked (0 of 3)  |
|                 | Summary: 12 sent, 0 blocked, 12 not blocked   |
|                 |   |
|                 | 0 SWB-40 <03> 80 Blocked 0000 Off 0 WriteSectors  |
|                 | 1 SWB-40 <0B> 80 Blocked 0000 Off 0 WriteLong   |
|                 | 2 SWB-40 <43> 80 Blocked 0000 Off 0 ExtWrite  |
|                 | 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<br>1 SWB-40 <0B> 81 Blocked 0000 Off 0 WriteLong                           |
|                 | 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 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<br>1 SWB-40 <0B> 83 Allowed 0000 Off 2 WriteLong                           |
|                 | 2 SWB-40 <0B> 83 Allowed 0000 Off 2 WriteLong<br>2 SWB-40 <43> 83 Allowed 0000 Off 2 ExtWrite                               |
|                 | Results for SWB-40 category w on drive 83 No commands blocked (0 of 3)  |
|                 | Summary: 12 sent, 6 blocked, 6 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 Allowed 0000 Off 1 InitDriveParms  |
|                 | 4 SWB-40 <0E> 80 Allowed 0000 Off 1 DiagnosticESDI<br>5 SWB-40 <0F> 80 Blocked 0000 Off 0 DiagnosticESDI                    |
|                 | 6 SWB-40 <12> 80 Allowed 0000 Off 1 DiagnosticRAM   |
|                 | 7 SWB-40 <13> 80 Blocked 0000 Off 0 DiagnosticDrive   |
|                 | 8 SWB-40 <14> 80 Allowed 0000 Off 1 DiagnosticCTL   |
|                 | Results for SWB-40 category x on drive 80 Not all commands blocked (5 of  |
|                 | 9)  |
|                 | 0 SWB-40 <05> 81 Blocked 0000 Off 0 FormatTrack   |
|                 | 1 SWB-40 <06> 81 Blocked 0000 Off 0 FormatBadSectors<br>2 SWB-40 <07> 81 Blocked 0000 Off 0 FormatCyl                       |
|                 | 2 SWB-40 <07> 81 Blocked 0000 Off 0 FormatCyl<br>3 SWB-40 <09> 81 Allowed 0000 Off 1 InitDriveParms                         |
|                 | 4 SWB-40 <0E> 81 Allowed 0000 Off 1 DiagnosticESDI  |
|                 | 5 SWB-40 <0F> 81 Blocked 0000 Off 0 DiagnosticESDI  |
|                 | 6 SWB-40 <12> 81 Allowed 0000 Off 1 DiagnosticRAM   |
|                 | 7 SWB-40 <13> 81 Blocked 0000 Off 0 DiagnosticDrive   |
|                 | 8 SWB-40 <14> 81 Allowed 0000 Off 1 DiagnosticCTL   |
|                 | Results for SWB-40 category x on drive 81 Not all commands blocked (5 of  |
|                 | 9)<br>0 SWB-40 <05> 82 Allowed 0000 Off 1 FormatTrack   |
|                 | 1 SWB-40 <06> 82 Allowed 0000 Off 1 FormatIrack<br>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 <of> 82 Allowed 0000 Off 1 DiagnosticESDI</of>   |
|                 | 6 SWB-40 <12> 82 Allowed 0000 Off 1 DiagnosticRAM   |
|                 | 7 SWB-40 <13> 82 Allowed 0000 Off 1 DiagnosticDrive   |
|                 | 8 SWB-40 <14> 82 Allowed 0000 Off 1 DiagnosticCTL<br>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  |
|                 | 2 SWB-40 <07> 83 Allowed 0000 Off 1 FormatCyl   |
|                 | 3 SWB-40 <09> 83 Allowed 0000 Off 1 InitDriveParms  |
|                 | 4 SWB-40 <oe> 83 Allowed 0000 Off 1 DiagnosticESDI</oe>   |
|                 | 5 SWB-40 <of> 83 Allowed 0000 Off 1 DiagnosticESDI</of>   |
|                 | 6 SWB-40 <12> 83 Allowed 0000 Off 1 DiagnosticRAM   |
|                 | 7 SWB-40 <13> 83 Allowed 0000 Off 1 DiagnosticDrive   |
|                 | 8 SWB-40 <14> 83 Allowed 0000 Off 1 DiagnosticCTL<br>Results for SWB-40 category x on drive 83 No commands blocked (0 of 9) |
|                 | Summary: 36 sent, 10 blocked, 26 not blocked  |
|                 |   |

Case SWB-40 HDL -- Hard-Disk (Int\_13) Write Lock V0.5 971202 (C)GKH 1993,1994,1997 0 SWB-40 <16> 80 Allowed 0000 Off 1 Undefined . . . misc commands 17-FD results omitted see log files for full results . . . 226 SWB-40 <FE> 80 Allowed 0000 Off 1 Undefined 227 SWB-40 <FF> 80 Allowed 0000 Off 1 Undefined Results for SWB-40 category m on drive 80 Not all commands blocked (2 of 228) 0 SWB-40 <16> 81 Allowed 0000 Off 1 Undefined . . . misc commands 17-FD results omitted see log files for full results . . . 226 SWB-40 <FE> 81 Allowed 0000 Off 1 Undefined 227 SWB-40 <FF> 81 Allowed 0000 Off 1 Undefined Results for SWB-40 category m on drive 81 Not all commands blocked (2 of 228) 0 SWB-40 <16> 82 Allowed 0000 Off 1 Undefined misc commands 17-FD results omitted see log files for full results . . . 226 SWB-40 <FE> 82 Allowed 0000 Off 1 Undefined 227 SWB-40 <FF> 82 Allowed 0000 Off 1 Undefined Results for SWB-40 category m on drive 82 No commands blocked (0 of 228) 0 SWB-40 <16> 83 Allowed 0000 Off 1 Undefined misc commands 17-FD results omitted see log files for full results . . . 1 Undefined 226 SWB-40 <FE> 83 Allowed 0000 Off 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) Summary: 912 sent, 4 blocked, 908 not blocked 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 protected Drive 80 is protected Drive 81 is protected Drive 81 is protected AM-09 AM-09 Drive 82 is unprotected Drive 82 is unprotected AM-09 Drive 83 is unprotected Drive 83 is unprotected AM-10 20 Commands return 20 Commands return success success AO-09 SWB not removed H-D Write Lock now nonremovable! Analysis: SWB-40 Expected results achieved

# 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.

## **Strategic Goals**

NIJ has seven strategic goals grouped into three categories:

#### Creating relevant knowledge and tools

- 1. Partner with State and local practitioners and policymakers to identify social science research and technology needs.
- 2. 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.

#### Dissemination

- 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.

#### Agency management

- 6. Practice fairness and openness in the research and development process.
- 7. Ensure professionalism, excellence, accountability, cost-effectiveness, and integrity in the management and conduct of NIJ activities and programs.

### **Program Areas**

In addressing these strategic challenges, the Institute is involved in the following program areas: crime control and prevention, including policing; drugs and crime; justice systems and offender behavior, including corrections; violence and victimization; communications and information technologies; critical incident response; investigative and forensic sciences, including DNA; lessthan-lethal technologies; officer protection; education and training technologies; testing and standards; technology assistance to law enforcement and corrections agencies; field testing of promising programs; and international crime control.

In addition to sponsoring research and development and technology assistance, NIJ evaluates programs, policies, and technologies. NIJ communicates its research and evaluation findings through conferences and print and electronic media.

To find out more about the National Institute of Justice, please contact:

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