



Claims Testing Application Form

Form Number ADPC0009

Section 1 – Applicant Information

Company Name EcoErase LLC
Address 32 Innovation Drive, Rochester, NH 03867 , United States

General Contact

Name **Shiva Nanda**
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Manufacturer of product to be tested EcoErase LLC
Product to be tested name EcoErase
Product to be tested version 4.1

Section 2 – The Claim Target (See 4.2 for guidance on completing)

- Product Introduction

EcoErase v 4.1 using the overwriting standard (DOD 5220.22-M)

- Claim

EcoErase when implemented as per EcoErase Quick Start Guide Revision 2014-08-01, will run an Automated²⁵ Overwriting Script which will overwrite existing data held on all addressable Logical Block Addresses (0 to Max LBA) plus Device Configuration Overlay²⁶, the Host Protected Area²⁷ and Remapped Sectors²⁸ on a sample of randomly selected ATA and SCSI electro-magnetic drives from different manufacturers and different generation of disk.

EcoErase creates a Confirmed Report²⁹ of over writing for each Hard Disk Drive and leaves a Digital Signature or 'Fingerprint'³⁰ evidencing successful over writing on each Hard Disk Drive.

- Risk Level

The product can be used to protect against risk levels 1,2, 3 and 4 as per ADISA Threat Matrix.

- Technical Requirements

The software can be deployed using CD, USB or via PXE boot from an image stored on the Network.

I, Anne M McKivergan of Newport Computer Services, inc, dba NCS Global, confirm that the information outlined in this document is an accurate and true reflection of the claims made by our product wishing to undergo the ADISA testing method.

Signed on behalf of Newport Computer Services Inc.

SIGNED: _____

NAME: Anne M. McKivergan

TITLE: Vice President

DATE: 10.09.2014

Claim Accepted by:

Signed on behalf of University of South Wales

SIGNED: _____

NAME: Professor Andrew Blyth

TITLE: Information Security Research Group

DATE: 10.09.2014

Signed on behalf of ADISA

SIGNED: _____

NAME: Steve Mellings

TITLE: Director

DATE: 10.09.2014

Supporting information

Automated Script²⁵	A script embedded within the used software application which controls how and what information is used to Overwrite the data on the Hard Disk. For example a script could consist of '0's and '1's arranged in a pre-defined manner and be generated either by software or an ATA command.
Device Configuration Overlay (DCO)²⁶	A hidden area of the drive and the means by which the Hard Drive manufacturer can set the addressable sectors of the drive to be smaller than they would be if not used. I.e. an 80GB drive can appear as a 60GB drive.
Host Protected Area (HPA)²⁷	A reserved area of the drive that is used to store information that is not able to be easily accessed or modified by the user, BIOS or OS.
Remapped Sectors²⁸	Where Hard Drive technology re-maps/allocates data within a sector that is indicating potential signs of failure before it actually fails or becomes bad and cannot be written to or read from. Also known as the grown defects list or 'g-list'.
Confirmed Report²⁹	A report clearly indicating that data has been destroyed on each Data Containing Device.
Digital Signature or 'Fingerprint'³⁰	A Signature or Fingerprint that is written to the device which should contain but not necessarily be limited to some of the following elements that evidence wiping: Date of erasure, erasure standard, erasure time, HDD serial number, system serial number, report ID (so it can be cross referenced in the database for the certificate), erasure software & version.