



Providing Advanced  
High-Tech Security Solutions

## **Fdas<sup>®</sup>**

### **Fast Disk Acquisition System**

#### **Forensic Soundness Testing Method**

Below are the tests that the FDAS test has run to verify the forensic soundness of the images created by the FDAS unit. These steps are listed in detail below to enable others to verify the forensic soundness of the unit.

**A – FDAS does not modify source disk – The FDAS unit has been certified that it will not modify any source drive connected to the unit.**

**Verification Method –**

- 1. A sample disk drive containing a valid FAT32 partition was selected.**
- 2. An MD5 checksum is made of the disk drive.**
- 3. The drive is connected to the FDAS unit and a disk image is made.**
- 4. A checksum of the original source disk drive is made again. This checksum must match the checksum from Step #2.**

**B- FDAS obtains an exact copy of the Source Disk Drive – The FDAS unit creates a faithful copy of the source media.**

**Verification Method –**

- 1. A sample disk drive is selected.**
- 2. An MD5 checksum is made of the disk drive.**
- 3. The drive is connected to the FDAS unit and a disk image is made using the “faster” option.**
- 4. The output MD5 checksum is compared to the MD5 checksum from step #2. They must match.**

**C- FDAS creates a sound image during image continuation – The FDAS unit is capable of continuing an acquisition that has been interrupted and creating a forensically sound image.**

**Verification Method –**

- 1. A sample disk drive is selected.**
- 2. An MD5 checksum is made of the disk drive.**
- 3. The drive is attached to FDAS and an image is started.**
- 4. During the imaging process, pull the power from the FDAS unit.**
- 5. Wait 30 seconds, reapply power to the FDAS unit.**
- 6. When prompted, select the option to “ReSume” the imaging.**
- 7. Once the image file has been created completely, calculate the MD5 checksum of the image file.**
- 8. The checksum must match the checksum from Step #2.**

#### **Ordering information:**

For more questions and pricing information,  
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