



Susquehanna Digital Forensics

# Digital Forensic Newsbytes

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## Digital Forensic Newsbytes First Edition

Welcome the first edition of the Digital Forensic Newsbytes, published by Susquehanna Digital Forensics. The practice of digital forensics is a rapidly changing field due to both technological changes and how digital forensics is being used the legal, criminal and private sectors.

We will attempt to bring the latest news, legal cases and technological innovations in the field of digital forensics.

## EnCase® Forensic Edition V5 Released

Guidance Software released EnCase® Forensic March 28, 2005. EnCase Forensic has become the industry standard tool for uncovering, analyzing and presenting forensic data. Used by investigators in law enforcement, government, small businesses, consulting firms and corporations, EnCase Forensic provides a robust way to authenticate, search and recover computer evidence rapidly and thoroughly.



Computer evidence recovered with EnCase has been admitted into thousands of court proceedings in several countries and jurisdictions, and the EnCase software has been validated by the courts in several published decisions.

With the launch of Version 5, Guidance Software ensures that EnCase Forensic continues to meet the evolving needs of their customers. Using feedback from government, law enforcement and corporate investigators, nearly every component of EnCase Forensic has been enhanced. The result is an even more powerful tool that speeds up data acquisition and analysis to better support the rigors of criminal investigations and prosecutions.

## FTC Final Rule on Disposal of Consumer Report Information and Records

The Federal Trade Commission's final rule on Disposal of Consumer Report Information and Records (16 CFR Part 682), published November 24, 2004, which took effect June 1, 2005, specifically addresses the disposal of digital media that contained consumer report information. The rule defines "disposing" or "disposal" to include the discarding or abandonment of consumer

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information, as well as the sale, donation, or transfer of any medium, including computer equipment, upon which consumer information is stored.

*Section 682.3: Proper Disposal of Consumer Information* details that reasonable measures be taken to insure the data is disposed of properly. Re-formatting or simply deleting the data from digital media does not remove the data from the digital media. If your organization routinely donates used computers to charity, allows employees to purchase them, or in any other way allows the digital media out of your control, you must insure that confidential data is not present.

Your company should prepare standard policy and procedures for cleaning the data prior to release of the media, then certify that your procedures do in fact permanently remove the data.

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## Digital Photography Flash Memory Cards Can Store Confidential Data

Today it seems that everyone has or is getting a digital camera. You can simply pop the flash memory card out, plug it into a machine at your local drug store and print your pictures. Flash cards are wafer thin and about the size of a postage stamp, yet can store a significant amount of data.



What most people fail to realize is that data other than pictures can be stored on the cards. The 256MB card shown here can store the equivalent of over 3000 pages of documents and can be purchased for under \$40. Cards are now available as large as 2 gigabytes.

Many of the new multi-function printers already contain slots for easy access to these types of cards, potentially opening a security hole in your enterprise. The cards can also be accessed using USB, which is available on virtually every PC sold today.

## Susquehanna Digital Forensics

- ▶ The company principal has a 29 year background in law enforcement, court testimony, computer systems, information systems security and forensic investigations.
  - ▶ EnCE - Encase® Certified Examiner
  - ▶ CIFI - Certified Information Forensics Investigator
- ▶ CISSP - Certified Information Systems Security Professional
  - ▶ SSCP - Security Systems Certified Practitioner
  - ▶ MCSE - Microsoft Certified Systems Engineer
  - ▶ MCSA - Microsoft Certified Systems Administrator
- ▶ IISFA - Member International Information Systems Forensic Association
- ▶ ISSA - Member of the Information Systems Security Association, Vice President of the Central PA Chapter
  - ▶ InfraGard - Member Central Pennsylvania Chapter
  - ▶ Decorated former Law Enforcement Officer