

Ethics and Formal Opinion 2015-193

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ABOUT CALIFORENSICS

Helping attorneys win cases by finding, interpreting, and explaining digital evidence.

Business Litigation

Employment

Criminal Law

Schools & Higher Ed

Family Law

Malpractice Medical

- Plaintiff, defense, or neutral
- Any data source or data type
- e-discovery and hosted review Collection, analysis, expert testimony;
- 17 years in business
- 1,500 clients served nationwide
- Southern California and Central Texas Locations in Northern California

Califorensics

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Cory Hamma, CISSP

- Director of Forensics
- Electronic Medical Record Forensics
- Incident Response
- Advanced E-Discovery
- Former Application Developer
- Former Internet Engineer
- Former Server and Network Admin
- Former IT Director
- Former Project Manager

Agenda

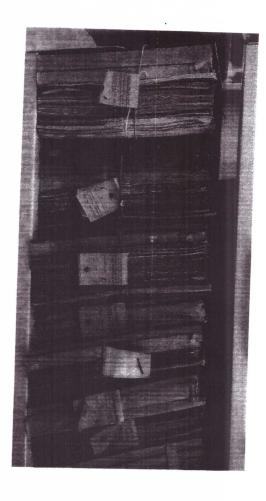
electronically stored information? What are an attorney's ethical duties in the handling of discovery of

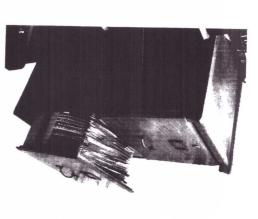
- Key Terms
- Overview of Formal Opinion 2015-193
- Timeline of a Case
- Example Cases
- Ethical Duties Related to ESI

Key Terms

Electronic Discovery:

proceeding. Stored Information (ESI) to use as evidence in a legal The process of locating, securing, and searching Electronically



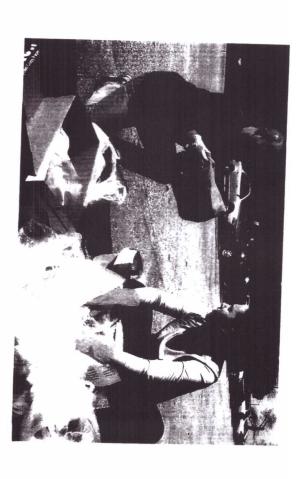


Key Terms

Computer Forensics:

Electronically Stored Information (ESI). techniques for recovery, authentication and analysis of Going further than E-Discovery: The use of specialized





Key Terms

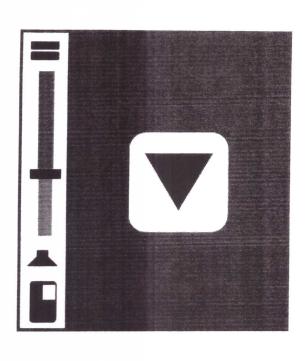
Metadata:

data. A set of data that describes and gives information about other

Non-Electronic Metadata:

- Located in the basement
- File drawer marked "Clients M-Z"
- File marked "To be destroyed"
- Inside envelope labeled "Important Documents"
- Paper is watermarked with "Gusset Associates"

Metadata - Videos



Stream 0

Type: Video

Codec: H264 - MPEG-4 AVC (part 10) (avc1)

Resolution: 1920x1090

Display resolution: 1920x1080

Frame rate: 59,956043

Decoded format: Planar 4:2:0 YUV

Stream 1

Type: Audio

Codec: MPEG AAC Audio (mp4a)

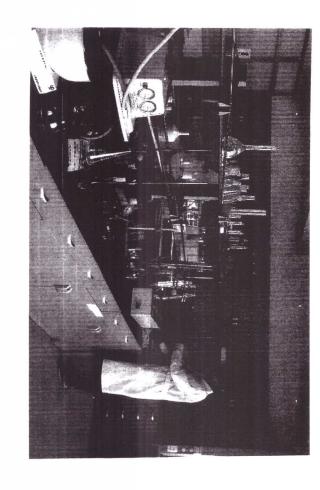
Channels: Stereo

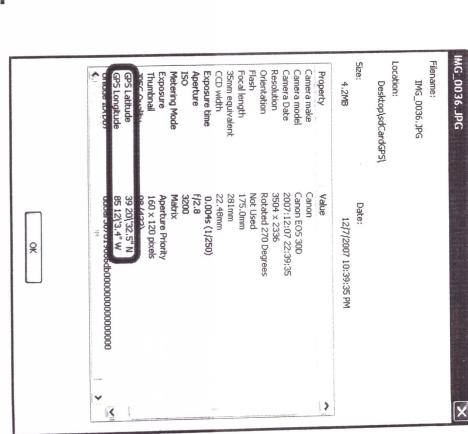
Sample rate: 48000 Hz

Reported Camera:
GoPro HERO4 Sessions
Audio Sample Rate 32 kHz (or 32,000 Hz)



Metadata – Camera Images





37.482735, -121.932397 (UL Labs Fremont) Reported Camera Geolocation:

Metadata - Documents

Tide	Clack A Holzapial
Organization	Transa Codist
Evaluation Position?	
Evaluation Award Number for RETOP	Jagun un par Cantal Day Canada
or other appropriate instrument	KFT0P 1037 . 35 0011
DoS Project(s) Evaluated (Include	
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name(s) and oward number(s), if	
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View Custom Advanced		nple	keyword1, keyword2, keyword3,keyword4	AM Additional Metadata	AM	tput 8.2		Output 8.2	Output 8.2	Output 8.2	Output 8.2	Output 8.2 2 Bytes) Number of Pages: 1

Created / Modified / Accessed Date Revisions Author(s) Digital Signatures

Metadata – Email

Re: Help with features

From: <u></u> Harrison Montrose <harrisonmontrose@gmail.com>

Date: Cory Hamma < coryhamma@gmail.com>

Mon, 24 Oct 2016 10:54:04 -0700

I have contacted the client with all appropriate haste. The canary is in the birdhouse

Best regards, HM

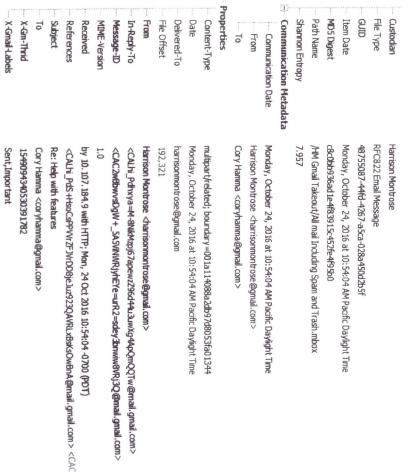
On Mon, Oct 24, 2016 at 10:53 AM, Cory Hamma < coryhamma@gmail.com> wrote: Excellent! I appreciate your pic.

This is more great news. Please contact the dient

On Mon, Oct 24, 2016 at 10:52 AM, Harrison Montrose < harrisonmontrose@gmail.com > wrote:



Clinck a pre-configured bookmark or create your own to gain secure internet access to internal Launch NetExtender to create an SSLVPN tunnel to your corporate network tor full network access



Message Headers Message-ID **Attachments** Date Sent / Date Received

Metadata – Online Review System

CD001 17-0139 Capitol Digital – Sandbox

- Search through documents / emails.
- Display metadata in search results.
- Export metadata as a spreadsheet
- Create PDFs from emails and documents

Metadata – Online Review System

Viewer Native Extracted Text

100% +

Subject:

Harrison, welcome to your new Google Account

harrisonmontrose@gmail.com

Andy from Google <andy-noreply@google.com> Sent:

From:

Fri, 21 Oct 2016 17:25:46 +0000

Native Default ▼ Image

Edit Metadata ▼ Ø

Document

N

of 2 ()

Document Identifiers

Doc ID: HM000256

Family ID: HM000256

Number of Attachments:

Custodian:

Record Type: Family Date:

File Properties •

Application:

Hi Harrison,

Original Folder Path: File Description /All mail Including Spam and Trash.mbox/entry #0390855.eml

ED Folder:

I'm so glad you decided to try ould Gmail. He

tips to get you up and running fas

File Name: entry #0390855.eml

File Extension:

MD5 Hash: 579a1dc0b8f188baa35e03787b911441

Time Zone Field:

Email Info 🔻

Email . Date Sent: 10/21/2016 10:25 AM

Email . Date Received:

With Gmail for Android and iOS, you get notifications so you don't miss important

Gmail on the go

Email . Subject:

Harrison, welcome to your new Google Account

Email . Attachment Name: Email . From:

Andy from Google <andy-noreply@google.com>

Email . To: harrisonmontrose@gmail.com

Email RCC Email . CC:



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Agenda

electronically stored information? What are an attorney's ethical duties in the handling of discovery of

- Key Terms
- Overview of Formal Opinion 2015-193 (9 Points)
- Timeline of a Case
- Example Cases
- Ethical Duties Related to ESI

Overview of Formal Opinion 2015-193 **Guidance From The State Bar**

electronically stored information? What are an attorney's ethical duties in the handling of discovery of

- Basic understanding of, and faculty with, issues related to e-discovery and
- Duty of competence may vary case-by-case, requiring a higher level of technical knowledge.

Overview of Formal Opinion 2015-193 **Guidance From The State Bar**

Initially assess e-discovery needs and issues, if any.

- What information could I possibly be looking for?
- New data formats cloud hosted client may not be aware
- Where could that information be located?
- My client's possession
- Opposing client's possession
- 3rd party possession

Overview of Formal Opinion 2015-193

- 2 Implement/cause to implement appropriate ESI preservation procedures.
- Time Sensitive
- What information could be deleted or wiped?
- Phone company and Internet Service Provider (ISP) records
- Backups
- Text Messages / Emails
- Appropriate Forensic Preservation
- Using digital forensics preservation tools.
- Chain of Custody



Overview of Formal Opinion 2015-193

Analyze and understand a client's ESI systems and storage.

- Computer, Server, Backups, External Drives
- Smartphone / Cell Phone
- Cloud Storage/Backup (Google Drive, DropBox, OneDrive, CrashPlan)
- Cameras / Video Surveillance
- New Types of ESI

Overview of Formal Opinion 2015-193

- Advise the client on available options for collection and <u>preservation of ESI.</u>
- Digital Forensics / E-Discovery Expert
- Forensic Collection / Preservation to meet court requirements
- Organizational integrity
- Attorney retains evidence
- Vendor or another attorney supervise collection
- ١ Having IT staff perform collection is usually insufficient

Overview of Formal Opinion 2015-193

5 Identify custodians of potentially relevant ESI.

- Your client / opposing party
- Other employees at the firm
- IT Employees
- Telephone / Cell Phone Companies
- Internet Service Providers
- Hosted Application Providers (Salesforce, Online Time Card, Facebook, DropBox, etc)
- Email / Text Message CC Recipients



Overview of Formal Opinion 2015-193 **Guidance From The State Bar**

- <u>6</u> opposing counsel concerning an e-discovery plan. Engage in competent and meaningful meet and confer with
- Work with your client to determine clear search terms
- terms and also potential overbroad search terms. Consult with e-discovery or forensics expert regarding potential search
- Review data obtained from your clients before it is released to opposing
- Do not rely on claw back method.

Guidance From The State Bar Overview of Formal Opinion 2015-193

7. Perform data searches

- Search both searchable and non-searchable data
- Some files may require OCR or manual review
- Cascading searches
- Alternate spellings / misspellings

Overview of Formal Opinion 2015-193 **Guidance From The State Bar**

- <u>.</u> Collect responsive ESI in a manner that preserves the integrity of that ESI
- Preserving the Integrity
- Chain of Custody
- Limiting Access to Data
- Write Blocking / Working Copies
- Proving Preservation of Integrity
- Checksum output of cryptographic algorithm. Digital Fingerprint
- Digital Forensic Containers

Overview of Formal Opinion 2015-193 **Guidance From The State Bar**

- 9 appropriate manner. Produce responsive non-privileged ESI in a recognized and
- competence relating to obtaining an opposing party's ESI. Formal Opinion refers to attorneys ethical obligations relating to his own client's ESI, and does not address the scope of an attorney's duty of
- Native Formats
- PDF Formats
- Common Metadata
- Created/Modified/Accessed Dates, Location, Custodian, Checksum,

Overview of Formal Opinion 2015-193

electronically stored information? What are an attorney's ethical duties in the handling of discovery of

- Attorneys lacking the required skills must either:
- -Acquire/maintain the skills necessary
- Skills may change on a month-by-month basis classes cannot keep up.
- Consult with an e-discovery expert
- -Bring on another attorney with the appropriate experience
- Decline the case
- confidentiality Lack of competence may lead to an ethical violation of the duty of

Agenda

What are an attorney's ethical duties in the handling of discovery of electronically stored information?

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Ethical Duties & ESI

Timeline of a Case

Case Filed / Request for Preservation

- Attorneys may not ignore the requirements of electronic discovery.
- discovery. Attorneys have an obligation for the early assessment of electronic
- If necessary to achieve competence, experts should be engaged as part of duty to preserve
- Preservation issues are more critical in electronic discovery cases because some data is ephemeral
- Ephemeral data: Log Files, Recently Deleted Files, Email with strict retention policies



Ethical Duties & ESI

Timeline of a Case

Case Filed / Request for Preservation

- The standard of competence changes with technology.
- E-discovery expertise helps protect client confidentiality and privilege
- to describe locations where data may be kept. Opposing counsel may not know what they should be preserving – best
- Opposing counsel may not know that they may need an E-Discovery or Digital Forensics expert to properly preserve their evidence.

Timeline of a Case

Discovery Process

- What can I expect to receive in terms of ESI?
- Metadata!) How should I ask for the ESI? (Native Documents - with
- What Metadata should be provided with each item?
- How should the data integrity be preserved?

Ethical Duties & ESI

Timeline of a Case

Discovery Process

- How do I protect my client from unreasonable ESI requests?
- How to identify information that is privileged?
- How to identify information that is irrelevant?
- Dependence on claw-back is not advised.

Timeline of a Case

Discovery Process

- How is data stored?
- How do I ask for information that may require an ESI expert to retrieve?
- How do I effectively limit or cull through information captured or received?
- How do I write search terms?

Ethical Duties & ESI

Timeline of a Case

Discovery/Production Process

- How do I turn this data into a format that the court will accept?
- How do I make a compelling visual, using the data?
- How do I know when something is missing or tampered with?

Agenda

electronically stored information? What are an attorney's ethical duties in the handling of discovery of

- Key Terms
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Ethical Violations

Illustrative Example from Formal Opinion

Distributor sues Manufacturer

- Attorney in question defends Client in litigation brought by Client's Chief Competitor
- Opposing counsel demands E-Discovery
- Defense attorney refuses. Judge insists.
- -Attorneys agree upon joint search with clawback agreement
- Client IT department says that they provided everything responsive
- Search conducted by opposing counsel's e-discovery vendor
- Broad search terms capture confidential documents valuable to competitor.
- Cannot claw back non-privileged documents.
- Spoliation accusations; seeking sanctions



Ethical Violations

NuVasive, Inc. v Madsen Medical, Inc.

acts/omissions? Did attorney violate the duty of competence through his

- Employees from NuVasive and Madsen Medical Inc (MMI) were communicating.
- Both NuVasive and MMI failed to properly preserve evidence of text messages on smartphones, despite being informed of litigation hold
- Both companies' employees disposed of and/or wiped cell phones after being informed of litigation hold
- NuVasive was at fault for not enforcing compliance with the litigation hold.
- MMI should have taken steps to preserve evidence while employees still worked there

discovery obligation and non compliance with the litigation hold Defendant's use in litigation and failure to preserve evidence, resulting from Plaintiff's failure to perform its Defendant sought sanctions for Plaintiff's failure to prevent the destruction of relevant evidence for NuVasive, Inc. v. Madsen Medical, Inc. 2015 WL 4479147 (S.D. Cal July 22, 2015)

Ethical Violations

Procaps S.A. v. Patheon Inc.

Did attorney violate the duty of competence by failing to supervise?

- Plaintiff's counsel did not travel to company HQ in Colombia to meet with IT personnel to discuss locations of discoverable ESI.
- including identification of relevant search terms Plaintiff's counsel failed to retain consultant to assist with preservation of ESI,
- Court compelled plaintiff to propose adequate search terms (only provided 8 English terms when company HQ is in Spanish speaking country.)
- Did not ensure client's compliance with litigation hold; counsel also has an obligation to supervise the client

custodians in collection of potentially relevant info, and failure to provide relevant document requests or search terms failure to meet with e-discovery experts to discuss how discoverable ESI would be located, failure to assist Plaintiff's preservation and collection efforts, including: Plaintiff's failure to issue a litigation hold, Counsel's Procaps S.A. v. Patheon Inc., No. 12-24356-CIV, 2014 WL 800468 (S.D. Fla. Feb. 28, 2014) Defendant sought to compel forensic examination of Plaintiff's electronic media based on the inadequacies of

Ethical ViolationsRajala v. McGuire Woods

Can you disprove prior art through digital forensics?

- Plaintiff developed and maintained web site www.InternMatch.com in 2009
- Defendant registered trademark INTERNMATCH in 2013
- Defendant claimed to have documents defending prior use of trademark.
- Defendant claims they discarded the original computer allegedly used to create documents related to INTERNMATCH.
- Court finds that defendants willfully failed to preserve evidence

assertions. Plaintiff also filed a motion for terminating sanctions, accusing Defendants of intentionally Plaintiff sought copies, including electronic copies, of documents that would support Defendant's failed to preserve relevant evidence of use documents that they had a duty to preserve destroying the electronic versions of the evidence of use documents. Court found Defendants willfully Internmatch v. Nxtbigthing No. 3:2014cv05438 – Document 162 (N.D. Cal. 2016)

Electronic Discovery and ESI

- FRE 502(b) provides that inadvertent disclosure may not result in waiver the privilege or protection took reasonable steps to prevent disclosure; and of the privilege where "(1) the disclosure is inadvertent; (2) the holder of (3) the holder promptly took reasonable steps to rectify the error..."
- FRE 502(d) provides: "A federal court may order that the privilege or other federal or state proceeding" before the court – in which event the disclosure is also not a waiver in any protection is not waived by disclosure connected with the litigation pending
- FRE 502(e) further provides: "[a]n agreement on the effect of disclosure in unless it is incorporated into a court order" a Federal proceeding is binding only on the parties to the agreement

Electronic Discovery and ESI

- California Code of Civil Procedure http://www.courts.ca.gov/documents/title 3.pdf
- The State Bar of California E-Discovery Pocket Guide: http://litigation.calbar.ca.gov/Publications/EDiscoveryPocketGuide.aspx
- 2009 Electronic Discovery Act: 0050/ab 5 bill 20090629 chaptered.pdf http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab 0001-
- The State Bar of California: Standing committee on Professional 015-193%20%5B11-0004%5D%20(06-30-15)%20-%20FINAL.pdf https://www.calbar.ca.gov/Portals/0/documents/ethics/Opinions/CAL%202 Responsibility and Conduct Formal Opinion No. 2015-193

Electronic Discovery and ESI

Applicable FRCP Sections

- Rule 16(b): Pretrial Conferences; Scheduling; Management
- Rule 26(b): Discovery Scope and Limits
- Rule 26(d): Timing and Sequence of Discovery
- Rule 26(f): Discovery Planning Conference, Disclosure & Form of Production
- Rule 33: Interrogatories to Parties
- Rule 34: Form of Production for ESI
- Rule 37(a): Motion for an Order compelling Disclosure or Discovery
- Rule 37(e): Failure to Preserve ESI; "Safe harbor" from Sanctions



Rajala v. McGuire Woods No. 08-2638 (D. Kan. July 22, 2010)

Where the parties are unable to reach an agreement, some courts have determined that the court has the authority to impose a "clawback agreement" to protect privileged materials under FRE 502(d).

37(e)(2)." 37(e)(1)" and that the Plaintiff "is not entitled to an adverse jury instruction as a sanction pursuant to Rule browser and search histories, concluding that the Plaintiff "is not entitled to a sanction pursuant to Rule order permitting a jury instruction in response to the defendant's failure to preserve certain internet web North Carolina Magistrate Judge Robert B. Jones, Jr., among other rulings, denied the Plaintiff's motion for an Eshelman v. Puma Biotechnology, Inc., No. 7:16-CV-18-D (E.D.N.C. June 7, 2017)

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