



December 14, 2022

Crown City Billiards & Lounge  
Francisco J Yanez  
1312 North Lake Avenue  
Pasadena, CA 91104

**Re:** **Short description of the case:** Examine the entry for **Hours of Operation** on an application for code compliance certificate. The scope is to determine whether the handwritten entry was made by Mr. Francisco J. Yanez.  
**Document Examination Case Report No. 2022-85**

Dear Mr. Yanez:

### **Introduction**

My name is Michael N. Wakshull. I am an expert in forensic document examination. I prepared this expert report at your request. You have asked me to offer expert analysis, and opinion in handwriting examination, as detailed below.

For my work, I am being compensated at \$350 per hour. For testimony, I am being compensated at \$450 per hour.

### **Expert Qualifications**

I earned a graduate school certificate in forensic document examination from East Tennessee State University. This four-semester certificate program is offered within the Graduate School of Criminal Justice.

I am certified as a quality engineer by the American Society for Quality. My college degrees are a Bachelor of Science degree in mathematics from the State College of New York at Buffalo, and a Master of Science degree in technology management from the University of Denver.

For continuing education, I attend at least two conferences each year in forensics and/or forensic document examination. I attend monthly educational meetings at the Scientific Association of Forensic Examiners where I am vice president. I am past president of the San Diego chapter of Forensic Expert Witness Association (FEWA). I represented the San Diego Chapter of FEWA on the national board of directors and was conference chair for the 2015 conference.

As a member of the National Association of Document Examiners I was conference chair for the 2012 conference. I have spoken at several of their conferences, including the 2018 conference in Jacksonville, FL. I have been an invited speaker at many international, national, and local forensics and legal conferences including California Lawyers Association and California District Attorneys Association. I have authored three books on forensic document examination and have written articles published in journals and legal magazines. These presentations and publications are listed in Exhibit 6.

As a forensic document examiner, I have been qualified to testify in California Superior Court and Federal District Court. I have worked on cases have been worked from twenty-seven states and five countries. Upon challenge from opposing counsel the Court has always declared I am qualified to testify at trial.

Before attending graduate school for forensic document examination, I worked for 30 years in information systems and software development. In the 1980s and 1990s I founded and ran a computer graphics software company that developed interactive graphics software for VAX computers.

Subsequent to that I managed Information Systems Governance (called Policies and Standards), and Corporate Quality Risk Management at Amgen, the largest biotechnology company.

In 1999 I earned an information systems audit certification (CISA) from information systems audit and control association (ISACA). This certification remains active. In 2006 I earned a certified quality engineer (CQE) designation from the American Society for Quality.

I have worked full time as a forensic document examiner since January, 2012. From the time I completed the graduate program in forensic document examination in the Graduate School of Criminal Justice at East Tennessee State University in 2010 until January 2012, I worked part time as a forensic document examiner and full time at Abbott Vascular, leading implementation of global quality risk management procedures.

Sincerely,

Michael N. Wakshull MS, CQE

**Document Examiner Services requested**

Examine the entry for **Hours of Operation** on an Application For Code Compliance Certificate. The scope is to determine whether the handwritten entry was made by Mr. Francisco J. Yanez. The document in question is dated August 1, 2017

<b>Questioned Document Examined – See Exhibit 1</b>				
<b>Number</b>	<b>Date</b>	<b>Scanned Copy / Original</b>	<b>Type of Document</b>	<b>Writing format</b>
<b>Q01</b>	August 8, 2017	Photocopy	Application For Code Compliance Certificate	Printed writing

<b>Known Documents Examined – See Exhibits 2A – 2B</b>				
<b>Number</b>	<b>Date</b>	<b>Scanned Copy / Original</b>	<b>Description of Document</b>	<b>Writing format</b>
<b>K01</b>	2013	Photocopy	Dept. of Alcoholic Beverage Control Planned Operation (Retail)	Printed writing
<b>KR01</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR02</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR03</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR04</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR05</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR06</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR07</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR08</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR09</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR10</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR11</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR12</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR13</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR14</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR15</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>KR16A</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>K16B</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>K17A</b>	12/05/2022	Original	Request exemplar	Printed writing
<b>K17B</b>	12/05/2022	Original	Request exemplar	Printed writing

**Opinions**

- There is a strong probability the entry for Hours of Operation was not written by the same person who wrote the writing, Francesco J. Ynez.

From the definitions in the industry standard **SWGDOC E1658 Standard Terminology for Expressing Conclusions of Forensic Document Examiners**, this means I am virtually certain Mr. Yanez did not write the questioned entry for the Hours of Operation on the Q01 document. The standard definitions are shown in Exhibit 5.

The Scientific Working Group for Forensic Document Examination (SWGDOC) standards are generally accepted standards for expressing opinions for document examiners. They are listed here so the reader understands the meaning of the opinion expressed in this report.

### **Overview**

You retained my services as a forensic document examiner. Your landlord, Charles G. Stanislawski, sent to me by email a PDF file that contained the questioned Q01 document. On December 5, 2022 you and I met for the purpose of you identifying which portions of the questioned document were written by you and which portions is in question. You also provided to me additional documents which contain your handwriting. At our December 5 meeting you provided request exemplars to be used in the handwriting examination. Request exemplars are those collected where you wrote the questioned entry on a sample page of the Application for Code Compliance Certification.

The questioned document was received as a PDF format of a color photocopy format.

Your instructions were to determine whether the questioned entry Q01 was written by Mr. Yanez.

### **Limitation**

A limitation of the examination is the lack of contemporaneous exemplars. Exemplar K01 is from approximately 2013. The remaining exemplars are from December 05, 2022.

Another limitation of this examination is that the Q01 and K01 documents were provided as photocopy format. Photocopy images always have some distortion relative to the original document. The photocopy process can omit light strokes, thicken lines, modify the size of the image, and/or fail to copy edges of the document. Pen pressure cannot be determined in a photocopy.

Although the photocopies limited the ability to offer an unqualified opinion, I drew a strong opinion as to the authenticity of the questioned signature. Examination of the original documents could lead to strengthening or weakening the opinion stated in this report.

Examination of photocopies is generally accepted practice for forensic document examiners. Often both questioned documents and exemplars are presented as photocopies or portable data file (PDF) files. The forensic document examiner must determine whether the document is sufficient quality for examination. If it is not sufficient quality, the document is coded as poor quality and is not included in the analysis. The PDF/photocopies examined were sufficient quality to perform the examination.

Photocopy and PDF documents are examined to determine whether they are images of original documents or are they potentially images of altered documents.

An experiment by Forensic document examiner, Robert Gervais<sup>1</sup>, demonstrated that for seven different photocopy machines on which 20 images were rendered for each of three settings for each machine, the photocopied images were sufficient for examination to four generations of copies. A generation is created by making a copy of a copy. Gervias wrote:

In general, none of the copies produced within the first four generations showed significant deformation or degradation compared to the originals – when suitable density setting was used. This was true even on the machines that introduced extreme distortions over the course of twenty generations. When considering the use of photocopies in an examination, either questioned or specimen material, a sound familiarity with the nature of the changes introduced during this type of reproduction will help the document examiner assess whether or not the copy is too far removed from the original to be suitable.

### **Methodology for examination**

The hardcopy documents were scanned on an Epson V850 scanner at 800 pixels per inch (ppi) to TIFF format to a Dell Precision model 5560 laptop computer running Windows 10 Professional operating system. Epson scanning software was used. The questioned document is attached as Exhibit 1.

Documents received as PDF format were read into Adobe Photoshop CC<sup>®</sup> software. The resolution of the files was increased to 800 pixels per inch (ppi). Increasing the resolution affords increasing the size of the image without loss of detail. Increased resolution does not improve the quality of the image.

The known writing is shown in Exhibits 2A and 2B. Exhibit 2B is an example of the request writing. Known writing also appears on the questioned document. Mr. Yanez confirmed that all writing above the “Official Use Only” section was written by him, with the exception of the operating hours. Since this is a photocopy I am unable to compare the ink used to write the Q01 document.

The number 9 was extracted from the questioned operating hours and from the known writing on the Q01 document. Exhibit 3A shows this comparison. These are the best exemplars as they are written on the same page. The number 9 entries were extracted from the questioned document and placed onto a comparison sheets, Exhibits 3A, using Adobe Photoshop CC<sup>®</sup> software.

Exhibit 3B shows a comparison of the writing of AM and PM on the Q01 document with the K01 document. The important aspect of comparing PM is to compare the writing of the letter M. There were no known exemplars with the letters PM.

Exhibits 4A and 4B compare writing of the operating hours on the questioned document with writing of the operative hours on the known request exemplars.

A visual examination was made comparing the structure of the known signatures with the structure of the questioned signatures.

---

<sup>1</sup> Gervais, R., 2017, *A Study of Photocopier Distortion Through Interactive Animations*. Journal of the American Society of Questioned Document Examiners. Vol 20(1). 23-32.

Initially the overall structure of the known writing was compared for similarities and differences. Next intricate details of the letters were compared. Photoshop was used to enlarge the writing. These enlargements are shown in the Exhibits to this report. This permits me to observe intricate aspects of the written strokes. The examination determines whether the known signatures were written by the same person and learn whether the known writer has multiple forms of writing their signature.

Another purpose of comparing the known signatures is to learn whether there are anomalies in the writing for which I need to learn the reason for the anomalies. Examples of causes of anomalies are physical injuries, illness, and medication side effects.

The next step is to examine the questioned signature to determine unusual attributes of the questioned signature. The number 9 on the questioned document were examined using a DinoLite AM4517MZT digital microscope. The letters AM and pM were also examined using the microscope. The letters AM on the K01 document were examined using the microscope.

The unusual attributes discovered in the questioned writing are then compared with the known writing to determine whether these unusual attributes exist in the known writing. Determining whether the attributes discovered in the questioned writing are all present in at least one of the known exemplars is important. An analysis is made to discover whether the unusual attributes of the questioned writing are discovered across many of the known writings. The analysis determines whether only a few unusual attributes in the questioned writing are present in any one known writing.

### **Results of the examinations**

Common attributes discovered across the known writing

- T The number 9 is written with a right slant on the questioned document.
- The loop portion of the number 9 is elliptical on the questioned document.
- The stem portion of the number 9 slants down to the left.
- The operating hours in the request exemplars are written without a dash
- The writing is slanted right.
- The left side of the M is written in a concave stroke in Exhibits 3A and 3B, and 4A and 4B.

### **Unusual attributes in the questioned signature Q01**

- The number 9 is written with a vertical slant on the questioned document.
- The loop portion of the number 9 is circular on the questioned document.
- The stem portion of the number 9 is written down straight.
- There is a dash before the 9 and the 10 in the operating hours.
- The writing is written vertically.
- The letter M in AM is retraced on the left side.
- The left side of the M in pM is written in a convex stroke.

**Result for signature Q01 comparison with the known signatures****Similarities**

- The letters are written in block print in K01 and Q01
- The spacing of the questioned operating hours is similar in the Q01 document and the request writing.

**Differences**

- The number 9 is written with a vertical slant on the questioned document and a right slant on the known writings.
- The loop portion of the number 9 is circular on the questioned document and in an elliptical form in the known writings.
- The stem portion of the number 9 is written down straight in the questioned writing and slanted down to the left in the known writings.
- There is a dash before the 9 and the 10 in the operating hours in the questioned writing. There are no dashes in the known writing.
- The questioned writing is written vertically. The known writing slants right.
- The questioned letter M in AM is retraced on the left side. There is no retracing in the known writing.
- The left side of the M in pM is written in a convex stroke in Q01 whereas the right side of the letter M is concave stroke on the known signatures.

Ordway Hilton, an established authority in questioned documents stated<sup>2</sup>, “Repeated small differences establish clearly that two specimens are clearly the work of two individuals despite a great number of general similarities.” The repeated differences outlined above cannot be explained by the known writing of Francisco Yanez.

I declare under the penalty of perjury under the laws of the State of California that the foregoing is true and correct. If called upon to testify in court or other legal proceeding to the truth of this report and methodologies used to conduct the examination, I am willing and capable of such testimony.

Executed this 13<sup>th</sup> day of December, 2022 at Temecula, CA.

Sincerely,



Michael N. Wakshull  
Document Examiner

---

<sup>2</sup> Hilton, O. *Scientific Examination of Questioned Documents Second Edition*. (Elsevier Science Publishing, New York, 1982) p. 161.



PASADENA  
CALIFORNIA

CI 2017-02566

APPLICATION FOR CODE COMPLIANCE CERTIFICATE

Certificate No: \_\_\_\_\_ Application Date 8/1/17  NEW APPLICATION  
 RENEWAL APPLICATION

REQUIRED INFORMATION

Business Name Crown City Billiards & Lounge Phone Number 626-791-5114

Business Address 1312 N. LAKE AVE

City/State: PASADENA CA ZIP Code: 91104

Business Owner: FRANCISCO J YNEZ Phone Number 626-482-6213

Mailing Address 2848 MARSON RD

City/State: EL MATE CA ZIP Code: 91732

Property Owner: Chuck Stanislawski Phone Number 626-441-0330

Mailing Address 729 Mission St suite 100

City/State: South Pasadena ZIP Code: 91030

Provide a detailed description of business use: small bar & pool tables

Hours of Operation: 9am - 10pm Number of Parking Spaces Provided Approx 100 cars

Square Footage of Office/Business Space 4020

Applicant's Signature [Signature] Date 8/1/17

MISSING INFORMATION MAY CAUSE A DELAY IN THE PROCESSING OF YOUR APPLICATION

OFFICE USE ONLY			
Zoning Use Classification (for use described above)	<u>Bars &amp; Taverns (previous operator Jerry's Billiards had been there since 1990)</u>		
Permitted Use	<input type="checkbox"/> YES <input type="checkbox"/> NO	Zoning District	<u>CL-SP-1b</u>
Conditionally Permitted	<input type="checkbox"/> YES <input type="checkbox"/> NO	If YES - C.U.#	_____ (Attach decision letter)
Variance	<input type="checkbox"/> YES <input type="checkbox"/> NO	If YES - Variance#	_____ (Attach decision letter)
Nonconforming Use	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	(If YES, please describe nonconformity)	
Code Required Number of Parking Spaces	_____	Shared Parking Agreement:	_____
Approved	<input checked="" type="checkbox"/> Denied	Sign	<u>[Signature]</u> Date <u>8-1-17</u>
Comments/Restrictions with Approval or reasons for Denial _____			

REC'D: 8/1/17

Exhibit 1 - Q01



Department of Alcoholic Beverage Control  
**PLANNED OPERATION (RETAIL)**



**SECTION I - FOR ALL RETAIL APPLICANTS**

1. APPLICANT NAME(S) (If individual: Last, First, Middle Initial) <u>Crown city Billiards &amp; Lounge LLC</u>		2. LICENSE TYPE(S) <u>40</u>					
3. PREMISES ADDRESS (Street number and name, city, zip code) <u>1312 N. LAKE AVE PASADENA CA 91104</u>		4. NEAREST CROSS STREET <u>WASHINGTON</u>					
5. TYPE OF BUSINESS (Choose one that best describes the planned operation)							
<input type="checkbox"/> Full Service Restaurant	<input type="checkbox"/> Cafeteria/Hofbrau	<input type="checkbox"/> Cocktail Lounge	<input type="checkbox"/> Private Club				
<input type="checkbox"/> Deli or Specialty Restaurant	<input type="checkbox"/> Comedy Club	<input type="checkbox"/> Night Club	<input type="checkbox"/> Veterans Club				
<input type="checkbox"/> Cafe/Coffee Shop	<input type="checkbox"/> Brew Pub	<input type="checkbox"/> Tavern	<input type="checkbox"/> Fraternal Club				
<input type="checkbox"/> Bed & Breakfast	<input type="checkbox"/> Theater	<input type="checkbox"/> Wine Tasting Room					
<input type="checkbox"/> Supermarket	<input type="checkbox"/> Membership Store	<input type="checkbox"/> Service Station	<input type="checkbox"/> Swap Meet/Flea Market				
<input type="checkbox"/> Liquor Store	<input type="checkbox"/> Department Store	<input type="checkbox"/> Convenience Market	<input type="checkbox"/> Drive-in Dairy				
<input type="checkbox"/> Variety/Drug Store	<input type="checkbox"/> Gift Shop/Florist	<input type="checkbox"/> Convenience Market w/Gasoline					
<input checked="" type="checkbox"/> Other - describe: <u>Pool Hall</u>							
6. PATRON CAPACITY		8. PREMISES IS LOCATED IN					
7. SURROUNDING AREA		<input checked="" type="checkbox"/> Free Standing Building					
<input checked="" type="checkbox"/> Commercial	<input type="checkbox"/> Rural	<input type="checkbox"/> Shopping Center (Name): _____					
<input type="checkbox"/> Residential	<input type="checkbox"/> Industrial	<input type="checkbox"/> 10 Units or Less <input type="checkbox"/> More than 10 Units					
<input type="checkbox"/> Other							
9. FOOD SERVICE		10. PARKING LOT?					
<input type="checkbox"/> None <input checked="" type="checkbox"/> Minimal <input type="checkbox"/> Full Meals	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
11. PATIO?		12. WILL YOU HIRE A MANAGER? (Rule 67.5)					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
13. WILL YOU HAVE A FOOD LESSEE? (Rule 67.7)							
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
14. MEAL TYPE		15. TYPE OF FOOD					
<input type="checkbox"/> Dinner House <input type="checkbox"/> Seafood	<input type="checkbox"/> American <input type="checkbox"/> Greek <input type="checkbox"/> Indian <input type="checkbox"/> French		16. HOURS OF FOOD SERVICE BREAKFAST HOURS From: _____ To: _____ LUNCH HOURS From: _____ To: _____ DINNER HOURS From: _____ To: _____				
<input type="checkbox"/> Fast Food/Deli <input checked="" type="checkbox"/> Other:	<input type="checkbox"/> Chinese <input type="checkbox"/> Korean <input type="checkbox"/> Italian <input type="checkbox"/> Thai						
<input type="checkbox"/> Pizza/Pasta <u>SANDS</u>	<input type="checkbox"/> Japanese <input type="checkbox"/> Other: <u>NONE</u>						
17. OPERATING HOURS							
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Opening Time	<u>11:30 AM</u>	<u>10:30 AM</u>	<u>11:30 AM</u>	<u>11:30 AM</u>	<u>11:30 AM</u>	<u>11:30 AM</u>	<u>11:30 AM</u>
Closing Time	<u>1:00 AM</u>	<u>1:00 AM</u>	<u>1:00 AM</u>	<u>1:00 AM</u>	<u>1:00 AM</u>	<u>1:00 AM</u>	<u>1:00 AM</u>
18. ENTERTAINMENT (One or more may apply. Please describe any entertainment with an asterisk (*) below)							
<input type="checkbox"/> None	<input checked="" type="checkbox"/> *Amplified Music	<input type="checkbox"/> Patron Dancing	<input type="checkbox"/> Card Room				
<input type="checkbox"/> Recorded Music	<input type="checkbox"/> *Live Entertainment	<input type="checkbox"/> Bikini/Topless/Exotic	<input type="checkbox"/> Movies				
<input checked="" type="checkbox"/> Juke Box	<input type="checkbox"/> *Floor/Stage Shows	<input checked="" type="checkbox"/> Pool/Billiard Tables	<input type="checkbox"/> *Hot Spot/Lottery				
<input checked="" type="checkbox"/> *Other	<input type="checkbox"/> Karaoke	<input type="checkbox"/> *Amateur/Pro Sports Events	<input checked="" type="checkbox"/> Video/Coin-Operated Games				
*Description: <u>T.V</u>							
19. PREMISES IS LOCATED ON		20. TYPE OF STRUCTURE					
<input checked="" type="checkbox"/> Major Thoroughfare	<input type="checkbox"/> Secondary Street	<input type="checkbox"/> Single Story	<input checked="" type="checkbox"/> Two-Story				
<input type="checkbox"/> Other		<input type="checkbox"/> Multi-Story - Number of stories: _____					
21. PASS-THROUGH WINDOW?		22. FIXED BARS?					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes - how many: _____	<input checked="" type="checkbox"/> No					
		23. WHAT PERCENTAGE OF YOUR TOTAL SALES WILL BE ALCOHOLIC BEVERAGES? <u>75%</u>					
FOR ABC USE ONLY							
24. INFORMATION GIVEN (R-27, R-107, Sec. 26612.5, Sec. 26790.5, etc.)			25. DATE ENTERED INTO CABIN				

ABC-207 (REVERSE) (10/00)

Exhibit 2A

KR01



PASADENA CITY CENTER  
www.cityofpasadena.net/planning

APPLICATION FOR CODE COMPLIANCE CERTIFICATE

Certificate No.: \_\_\_\_\_ Application Date: \_\_\_\_\_  NEW APPLICATION

RENEWAL APPLICATION

REQUIRED INFORMATION

Business Name \_\_\_\_\_ Phone Number \_\_\_\_\_

Business Address \_\_\_\_\_

City/State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Business Owner \_\_\_\_\_ Phone Number \_\_\_\_\_

Mailing Address \_\_\_\_\_

City/State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Property Owner \_\_\_\_\_ Phone Number \_\_\_\_\_

Mailing Address \_\_\_\_\_

City/State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Provide a detailed description of business use: \_\_\_\_\_

Hours of Operation: 9 am - 10 pm Number of Parking Spaces Provided \_\_\_\_\_

Square Footage of Office/Business Space \_\_\_\_\_

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

MISSING INFORMATION MAY CAUSE A DELAY IN THE PROCESSING OF YOUR APPLICATION

OFFICE USE ONLY

Zoning Use Classification (for use described above) \_\_\_\_\_

Permitted Use  YES  NO

Zoning District \_\_\_\_\_

Conditionally Permitted  YES  NO

If YES - C.U.P.# \_\_\_\_\_

(Attach decision letter)

Variance  YES  NO

If YES - Variance# \_\_\_\_\_

(Attach decision letter)

Nonconforming Use  YES  NO

(If YES, please describe nonconformity) \_\_\_\_\_

Code Required Number of Parking Spaces \_\_\_\_\_

Shared Parking Agreement: \_\_\_\_\_

Approved  Denied Sign \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

Comments/Restrictions with Approval or reasons for Denial \_\_\_\_\_

REC-2001 Rev 5/17

PLANNING AND DEVELOPMENT DEPARTMENT  
CODE COMPLIANCE SECTION

110 NORTH GARFIELD AVENUE  
PASADENA, CA 91101

TEL: 626.794.4100  
FAX: 626.794.4110

Exhibit 2B

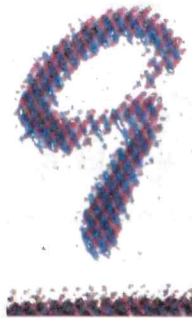
## Compare 9 on the Crown City Q01

9 in  
9 AM



All these entries were written on the questioned document.  
The 9 in 9AM is in the questioned entry.  
All other entries were written by Mr. Yanez.

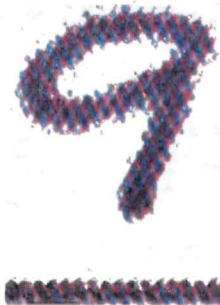
9 in  
company  
phone number  
626-791-5114



9 in  
Chuck's  
ZIP code



9 in  
company  
ZIP code



The 9 in 9AM leans leftward.  
The other entries lean rightward.

The top of 9AM is round.  
The top of other entries is  
elliptical.

9 in  
Frank's  
ZIP code

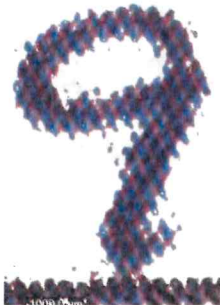


Exhibit 3A

Compare am on the Crown City Q01 with K01 Set 1

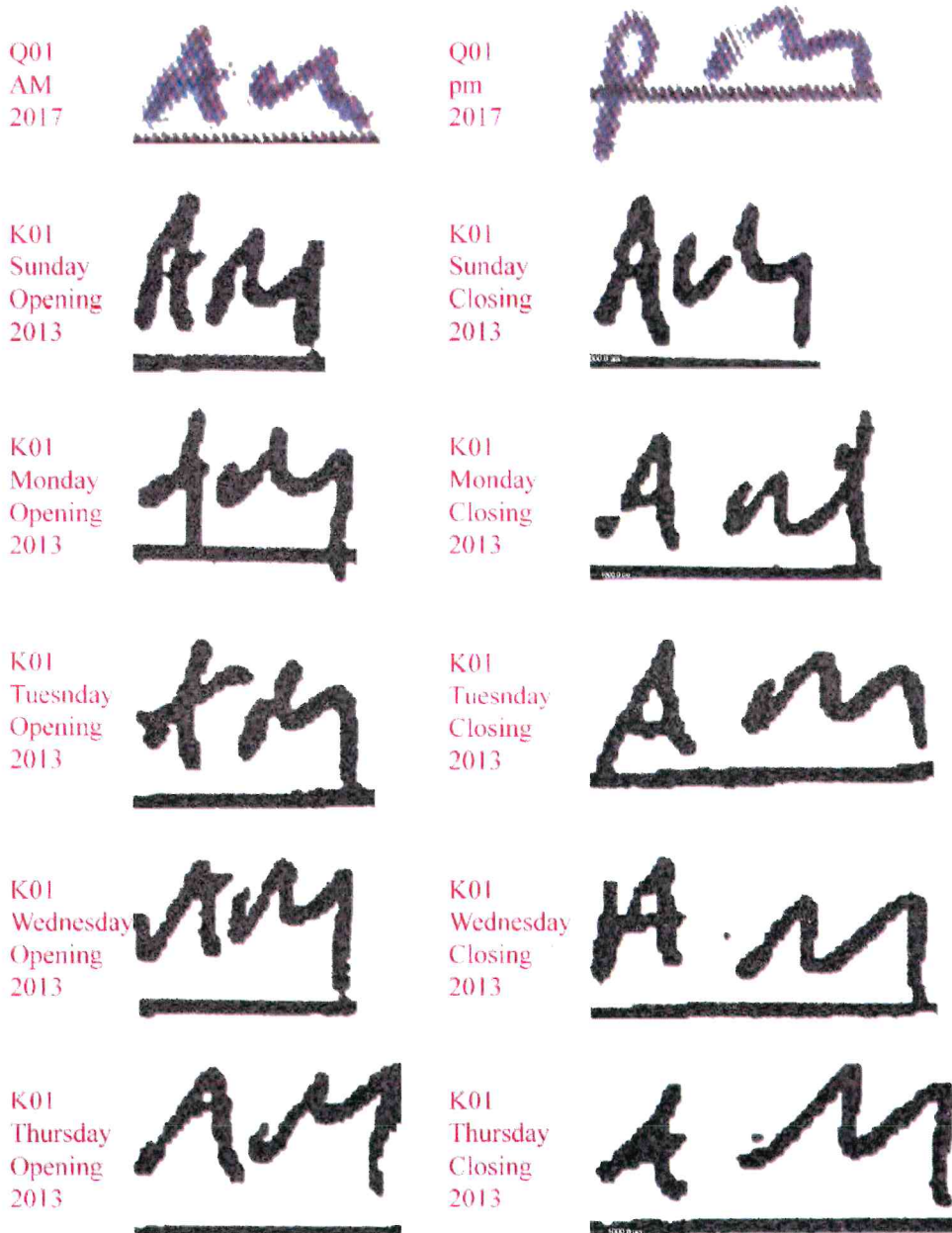


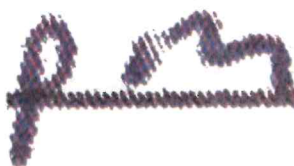
Exhibit 3B

### Compare am on the Crown City Q01 with K01 Set 2

Q01  
AM  
2017



Q01  
pm  
2017



K01  
Friday  
Opening  
2013



K01  
Friday  
Closing  
2013



K01  
Saturday  
Opening  
2013



K01  
Saturday  
Closing  
2013



Exhibit 3C

Compare Q01 time with request exemplars Set 1

Q01  
Application  
08/01/2017

9-AM - 10 PM

Request 01  
12/05/2022

9 am 10 pm

Request 02  
12/05/2022

9 am 10 pm

Request 03  
12/05/2022

9 am 10 pm

Request 04  
12/05/2022

9 am 10 pm

Request 05  
12/05/2022

9 am 10 pm

Request 06  
12/05/2022

9 am 10 pm

Request 07  
12/05/2022

9 am 10 pm

Request 08  
12/05/2022

9 am 10 pm

Request 09  
12/05/2022

9 am 10 pm

Exhibit 4A

Compare Q01 time with request exemplars Set 2

Q01 Application 08/01/2017	<u>9-AM - 10 pm</u>
Request 10 12/05/2022	<u>9am 10pm</u>
Request 11 12/05/2022	<u>9am 10pm</u>
Request 12 12/05/2022	<u>9am 10pm</u>
Request 13 12/05/2022	<u>9am 10pm</u>
Request 14 12/05/2022	<u>9am 10pm</u>
Request 15 12/05/2022	<u>9am 10pm</u>
Request 16A 12/05/2022	<u>9am 10pm</u>
Request 16B 12/05/2022	<u>9am 10pm</u>
Request 17A 12/05/2022	<u>9am 10pm</u>
Request 17B 12/05/2022	<u>9am 10pm</u>

Exhibit 4B

# Exhibit 5

## Scientific Working Group for Document Examination Standard Opinions



**SWGDOC Standard E1658 defines, “identification (definite conclusion of identity)—** this is the highest degree of confidence expressed by document examiners in handwriting comparisons. The examiner has no reservations whatever, and although prohibited from using the word “fact,” the examiner is certain, based on evidence contained in the handwriting, that the writer of the known material actually wrote the writing in question.”

**SWGDOC Standard E1658 defines, “strong probability (highly probable, very probable)—**the evidence is very persuasive, yet some critical feature or quality is missing so that an *identification* is not in order; however, the examiner is virtually certain that the questioned and known writings were written by the same individual.”

**SWGDOC Standard E1658 defines, “probable—**the evidence contained in the handwriting points rather strongly toward the questioned and known writings having been written by the same individual; however, it falls short of the ‘virtually certain’ degree of confidence.

**SWGDOC Standard E1658 defines, “indications (evidence to suggest)—**a body of writing has few features which are of significance for handwriting comparison purposes, but those features are in agreement with another body of writing.

**SWGDOC Standard E1658 defines, “elimination—**this, like the *definite conclusion of identity*, is the highest degree of confidence expressed by the document examiner in handwriting comparisons. By using this expression the examiner denotes no doubt in his opinion that the questioned and known writings were not written by the same individual.”

**SWGDOC Standard E1658 defines, “strong probability did not—**this carries the same weight as strong probability on the identification side of the scale; that is, the examiner is virtually certain that the questioned and known writings were not written by the same individual.”

**SWGDOC Standard E1658 defines, “probably did not—**the evidence points rather strongly against the questioned and known writings having been written by the same individual, but, as in the probable range above, the evidence is not quite up to the ‘virtually certain’ range.”

**SWGDOC Standard E1658 defines, “indications did not—**this carries the same weight as the indications term that is, it is a very weak opinion.”

**SWGDOC Standard E1658 defines, “no conclusion (totally inconclusive, indeterminable)—**This is the zero point of the confidence scale. It is used when there are significantly limiting factors, such as disguise in the questioned and/or known writing or a lack of comparable writing, and the examiner does not have even a leaning one way or another.”

# Exhibit 6

## Michael Wakshull's CV

## **Summary of Qualifications**

- Court qualified in civil and criminal trials for cases involving probate, contracts, altered documents, etc.
- Testified more than 110 times at trial, deposition, and arbitration (State and Federal Courts)
- Uses a teaching approach when providing testimony – Presents complex concepts in layman's terms
- Uses internet-based tools to communicate visually with clients
- Member of Los Angeles County Superior Court Judges Panel of Expert Witnesses
- Approved MCLE provider by the State Bar of California
- Applies science and technology to partner with clients for document examination cases
- Graduate School certificate in Forensic Document Examination
- Cases in Bahrain, Canada, Hong Kong, Malaysia, Mexico, Alaska, Arizona, Connecticut, California, Florida, Hawaii, Illinois, Kansas, Louisiana, Michigan, Minnesota, Missouri, Mississippi, Montana, Nevada, New Jersey, New Mexico, New York, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Texas, Utah, Virginia, Washington, West Virginia
- Previously on the editorial board of San Diego Lawyer Magazine
- Founded and wrote software for a computer graphics software company – Understands digital imaging
- Uses advanced tools such as ESDA, VSC80, and laboratory grade digital and optical microscopes and Photoshop CC® to analyze documents for clients.
- Member of the National Speakers Association
- Certified Quality Engineer
- Invited speaker to National Association of Document Examiners 2009, 2010, 2012, 2015 - 2018
- Invited speaker at the Association of Forensic Document Examiners conference 2012, 2017 - 2019
- Invited speaker at Scientific Association of Forensic Examiners, 2014, 2015, 2017, 2018, 2020
- Invited speaker at the World Congress of Forensics, Chongqing, China in October, 2011
- Invited speaker at the International Association of Scientists and Researchers, New Delhi, India, 2021.
- Attend at least two conferences each year in forensics and/or document examination
- Prior adjunct instructor at University of Redlands, University of California San Diego and Belevue University

## **Education (University)**

- **2010 – Graduate Certificate in Forensic Document Examination – East Tennessee State University**
- 2005 – Master of Science, Technology Management – University of Denver
- 1979 – 1980 Graduate classes, Applied Mathematics – San Jose State University
- 1975 Bachelor of Science, Mathematics Education – State College of New York at Buffalo

## **Education (Document Examination and Forensics)**

- 2022 (October). Handwriter: A Demonstration and Update on CSAFE Handwriting Analysis. Web based. 1 hour.
- 2021 (September & October) CSAFE Sampling for Forensic Practitioners. Iowa State University. Web based. 4 hours.
- 2021 (June) CSAFE Field Update. Center for Statistics and Applications in Forensic Evidence – Iowa State University. – Web based. 5 hours.
- 2021 (February) Examination of Digitally Captured Signatures Workshop. American Academy of Forensic Sciences Conference. Web-based. 4 hours.

- 2018 (July) Expert Testimony after Sanchez presented by Judge Jackson Lucky. 1-hour MCLE. Riverside County Bar Association.
- 2017 (November) Persuasive Evidence and Video for Trial and Mediation
- 2017 (April) Trial Preparation Seminar – 4 hours, Riverside County Bar Association.
- 2016 (October) Learn from the Masters. Riverside County Public Defenders. Riverside, CA. 6 hours MCLE.
- 2015 – 2018 Monthly 1-hour educational seminars from Scientific Association of Forensic Examiners
- 2015 (May 11) Digital Forensics for Attorneys part 2. Westlaw.
- 2015 (May 7) How to deal with an aggressive cross-examiner in deposition and trial. Forensic Expert Witness Association.
- 2014 (3-part series) San Diego County Bar Association, Direct and Cross Examination Techniques, Stephen Wagner
- 2013 (October 14) Print Process Identification workshop, Hooke College, Westmont, IL.
- 2012 (October 18) “A Hands-on Workshop to assist FDEs in understanding point-of-sale signatures” by Dr. Hans-Leo Teulings, Association of Forensic Documents Examiners Conference, Phoenix, AZ
- 2012 (April 25) “Video Deposition Workshop” by Michael Jones, National Association of Document Examiners Conference, San Diego, CA
- 2012 (April 26) “A hands-on workshop for working with digital images” by George Reis, National Association of Document Examiners Conference, San Diego, CA
- 2012 (April 17) “The Graphical Approach, Another Way to Present Evidence” by Hon. William J. Howatt, Jr., San Diego County Bar Association
- 2011 (May 19) “Print process and paper”, Quebec Institute of Graphic Communications, at the National Association of Document Examiners Conference, Montreal, Quebec, Canada
- 2011 (May 17-18) “Theory and skills using IR and UV” by Emily Will at the National Association of Document Examiners Conference, Montreal, Quebec, Canada
- 2010 (Oct. 23) “Costly and Fatal Mistakes Committed by Expert Witnesses During Video Deposition Proceedings” by Michael Jones, CEO of Digital Evidence Legal Video Services
- 2010 (Oct. 15) “Determining common authorship amongst multiple simulated signatures based on the analysis of motor strategy” by Dr. Bryan Found, La Trobe University
- 2010 (May 3-4) Photoshop for document examiners instructed by Gary Herbertson
- 2010 – Graduate level course “Forensic Document Examination Practicum” at East Tennessee State University
- 2009 – Graduate level course “Forensic Document Analysis” at East Tennessee State University
- 2009 – Graduate level course “Forensic Document Identification” at East Tennessee State University
- 2008 – Graduate level course “Handwriting Identification” at East Tennessee State University
- 2008 – Course “Forensic Document Examination” at University of California at Riverside
- 1983 – Course “Questioned Document Examination” by Felix Klein
- On-going self-study in forensic document examination

#### **Seminars and Conferences Attended (Document Examination, Forensics, and Law)**

- 2022 (October) Association of Forensic Document Examiners conference. Phoenix, AZ. 19 hrs.
- 2022 (September) Scientific Association of Forensic Examiners Conference day 2, 5 hours.
- 2022 (August) Scientific Association of Forensic Examiners Conference day 1, 5 hours.
- 2022 (February) American Academy of Forensic Sciences Conference, Web-based. 10.75 hours.
- 2021 (October) Scientific Association of Forensic Examiners Conference day 2, 5 hours.
- 2021 (August) Scientific Association of Forensic Examiners Conference day 1, 5 hours.

- 2021 (June) Center for Statistics and Applications in Forensic Evidence Field Update. 5 hours.
- 2021 (March) International Association of Scientists & Researchers, 3<sup>rd</sup> International eConference-2021 Document Examination. 5 hours.
- 2021 (February) American Academy of Forensic Sciences Conference, Web-based. 9 hours.
- 2020 (October) Scientific Association of Forensic Examiners Conference day 2. Web-based. 6 hours continuing education.
- 2020 (September) Scientific Association of Forensic Examiners Conference day 1. Web-based. 5 hours continuing education.
- 2020 (September) California Lawyers Association Conference. Web-based.
- 2019 (October) Association of Forensic Document Examiners conference, Denton, TX. 25 hours continuing education.
- 2019 (October) Scientific Association of Forensic Examiners Annual Conference day 2. Web-based conference. 6 hours continuing education.
- 2019 (September) Scientific Association of Forensic Examiners Annual Conference day 1. Web-based conference. 6 hours continuing education.
- 2019 (April) Forensic Expert Witness Association Conference, San Francisco, CA. 14 hours.
- 2018 (October) Association of Forensic Document Examiners conference, Savannah, GA. 25 hours continuing education.
- 2018 (October) Scientific Association of Forensic Examiners Annual Conference day 2. Web-based conference. 5 hours continuing education.
- 2018 (September) Scientific Association of Forensic Examiners Annual Conference day 1. Web-based conference. 4.5 hours continuing education.
- 2018 (July) Expert Testimony After Sanchez. Judge Jackson Lucky. Riverside County Bar Association.
- 2018 (July) National Speakers Association annual conference, Dallas, TX, 4 days
- 2018 (May) National Association of Document Examiners annual conference. Jacksonville, FL. 19 hours continuing education.
- 2018 (January 26 & 27) Law and Technology Summit – 9 hours. San Diego County Bar Association.
- 2017 (October) Association of Forensic Document Examiners conference, Reno, NV. 25 hours continuing education.
- 2017 (August) Scientific Association of Forensic Examiners annual conference, On-line. 6 hours continuing education.
- 2017 (May) National Association of Document Examiners annual conference. New Orleans, LA. 25 hours continuing education.
- 2017 (February) FEWA San Diego/San Diego Paralegal Association Training Day, San Diego, CA, 5.0 Hours MCLE
- 2016 (August) Conference Chair Scientific Association of Forensic Examiners Conference Session 2, 6 hours on-line conference
- 2016 (July) Conference Chair Scientific Association of Forensic Examiners Conference session 1, 6 hours on-line conference
- 2016 (June) California Alliance of Paralegal Associations Conference, Riverside, CA
- 2016 (April) National Association of Document Examiners Conference, Portland, OR
- 2015 (July 31 & August 28) Conference Chair Scientific Association of Forensic Examiners Conference. 15-hours on-line conference
- 2015 (July) Forensic Science Error Management, National Institute of Standards and Technology. Arlington, VA.
- 2015 (April) Conference Co-Chair Forensic Expert Witness Association, San Diego, CA
- 2015 (April) Open Source Intelligence Training, Camelot Investigations, Torrance, CA

- 2015 (February – November) Speakers’ Academy – National Speakers Association Los Angeles, CA
- 2014 Association of Forensic Document Examiners Conference, Salt Lake City, UT
- 2014 Conference co-chair Scientific Association of Forensic Examiners Conference, Boca Raton, FL
- 2013 Association of Forensic Document Examiners Conference, Lombard, IL
- 2013 National Institute of Standards and Technology, “Measurement Science and Standards in Forensic Handwriting Conference”, Gaithersburg, MD
- 2013 Forensic Expert Witness Association Conference, Scottsdale, AZ
- 2012 Association of Forensic Document Examiners Conference, Phoenix, AZ
- 2012 Conference Chair National Association of Document Examiners, San Diego, CA
- 2011 World Congress for Forensics, Chongqing, China
- 2011 National Association of Document Examiners Conference, Montreal, Quebec, Canada
- 2010 Association of Forensic Document Examiners Conference, Phoenix, AZ
- 2010 California Association of Handwriting Analysts seminar, Buena Park, CA
- 2010 National Association of Document Examiners Conference, Portland, OR
- 2010 Forensic Expert Witness Association Conference, La Jolla, CA
- 2009 Association of Forensic Document Examiners Conference, Milwaukee, WI
- 2009 National Association of Document Examiners Conference, Boca Raton, FL
- 2009 California Association of Handwriting Analysts seminars, Buena Park, CA
- 2008 Association of Forensic Document Examiners Conference, Albuquerque, NM

#### **Active Professional Certifications**

- Project Management Professional (PMP, 1997)
- Certified Information Systems Auditor (1999)
- Certified Quality Engineer (CQE, 2006)
- California Real Estate Broker license (1992)

#### **Professional Organizations**

---

National Association of Document Examiners

- Chair of the 2012 conference

Scientific Association of Forensic Examiners

- Vice President 2012 – present
- Conference Chair 2014 – 2021

Association of Certified Fraud Examiners

- Director - Inland Empire Chapter

ProVisors – Newport Beach Chapter

Forensic Expert Witness Association (former member)

- Board of Directors San Diego Chapter 2012, Vice President 2013, President 2014 - 2015
- National Board of Directors 2014, 2015
- Annual Conference Chair 2015

ASTM International Committee: E30 Forensic Sciences

- Subcommittee E30.11 Interdisciplinary Forensic Science Standards
- Subcommittee E30.12 Digital and Multimedia Evidence
- Subcommittee E30.92 Terminology

Riverside County Bar Association – Affiliate Member

San Diego County Bar Association – Affiliate Member

San Bernardino County Bar Association – Affiliate Member

California Lawyers Association– Affiliate Member

American Society for Quality, Senior Member  
International Graphonomics Society  
Project Management Institute

- President, Los Padres Chapter (2003&2004)
- Contributing author ANSI Standard ANSI/PMI 99-001-2000 (PMBok Guide)
- Board of Directors, Los Angeles Chapter (1997-1999)

National Speakers Association

Toastmasters International (former member)

- President of Speaking from the Heart Chapter 2010 - 2013
- Advanced Communicator Silver

## Publications Authored

---

- Wakshull, M.N. (2020, December). *Methods of Determining the Sequence of Written Line Strokes in Documents*. International Journal of the Scientific Association of Forensic Examiners. pp 5 – 13.
- Wakshull, M.N. (2020, May). *Is Forensic Document Examination a Science*. Riverside Lawyer Magazine. pp 14-15.
- Wakshull, M.N. (2019, December 3). *Reasons an Estate Plan Could Be Challenged: Part 3 – Fraud*. American Academy of Estate Planning Attorneys. <https://www.aeapa.com/2019/12/reasons-an-estate-plan-could-be-challenged-part-3-fraud/>.
- Wakshull, M.N. (2019, Fall 2019). *Can Forensic Experts Overcome Their Biases? Is Recognizing Cognitive and Motivational Bias Enough?* Journal of the National Association of Document Examiners. (32) pp 1-5.
- Wakshull, M.N. (2019, May). *Forensic Document Examination*. Riverside Lawyer Magazine. pp 16-17.
- Wakshull, M.N. (2019, January) *Forensic Document Examination for Legal Professionals – A Science-based Approach*. Temecula, CA: Q9 Consulting.
- Wakshull, M.N. (2018, November). *A Weak Forensic Opinion Helps Win a Case*. International Journal of The Scientific Association of Forensic Examiners. Boca Raton, FL.
- Wakshull, M.N. (2017, March/April). *How to Hire a Forensic Expert – Keys to vetting a forensic expert for your case*. San Diego Lawyer. pp 20 – 22.
- Wakshull, M. N. (2016). *How to Conduct Due Diligence When Hiring a Forensic Expert*. QuickRead. NACVA/CTI. <http://quickreadbuzz.com/2016/09/07/conduct-due-diligence-hiring-forensic-expert/>.
- Wakshull, M. N. (2016). *Can Forensic Experts Overcome Their Biases?* QuickRead. NACVA/CTI. <http://quickreadbuzz.com/2016/03/09/can-forensic-experts-overcome-biases/>.
- Wakshull, Michael N. (2014). *The End of the Zodiac Mystery, How Forensic Science Helped Solve One of the Most Infamous Serial Killer Cases of the Century*. Temecula, CA: Q9 Publishing.
- Wakshull, M. N. (2014) *The Effects of Bias on Forensic Document Examiners' Opinions*. International Journal of The Scientific Association of Forensic Examiners. pp 12 – 27.
- Wakshull, M.N. (2013). *Line by Line – Forensic Document Examination, A Strategy for Legal Professionals*. Temecula, CA: Q9 Publishing.
- Wakshull, M. N. (2002, March). *Review of book Risk and Decision Analysis In Projects*. Project Management Journal. (32)1.

## Speeches Authored and Delivered (partial list)

---

- Wakshull, M.N (2022, October) *Implicit Bias in The Courtroom: Will it cost you your next case?* California Academy of Attorneys for Healthcare Professionals. San Diego, CA.
- Wakshull, M.N (2022, September) *Implicit Bias in The Courtroom: Will it cost you your next case?* Attorney Credits. One hour Zoom presentation.

Wakshull, M.N. (2022, August). *Know your biases: True stories from the courtroom*. Association of Business and Trial Lawyers in San Diego. One-hour Zoom presentation.

Wakshull, M.N. (2022, July). *Identifying and Addressing Fraudulent Real Estate Documents*. Continuing Education at the Bar CEB. One-hour Zoom presentation.

Wakshull, M.N. (2022, June). *Little known secrets of altered documents*. North County Bar Association. One-hour Zoom presentation.

Wakshull, M.N. (2022, April). *Panel discussion on retaining a forensic expert*. Riverside County Bar Association. In Person.

Wakshull, M.N. (2022, April). *Overview of forensic document examination*. University of San Diego Law School. One-hour Zoom presentation.

Wakshull, M.N. (2022, March). *Little known secrets of altered documents*. Troy Gould LLP. One-hour Zoom presentation.

Wakshull, M.N. (2022, February). *Fraud through altered documents and handwriting*, Los Angeles Chapter of Association of Certified Fraud Examiners. Two-hour Zoom presentation.

Wakshull, M.N. & Troxel, J. T. (2022, February). *Computer and Document Forensics*. Los Angeles Lawyers and Legal Professionals Affinity Group. One-hour Zoom presentation.

Wakshull, M.N. (2022, January). *Know your biases: True stories from the courtroom*. Eastern Alameda County Bar Association. One-hour Zoom presentation.

Wakshull, M.N. (2021, September). *Know your biases: True stories from the courtroom*. East Bay Lawyers Affinity Group. One-hour Zoom presentation.

Wakshull, M.N. (2021, June). *Know your biases: True stories from the courtroom*. Westlake Lawyers Affinity Group. One-hour Zoom presentation.

Wakshull, M. N. (2021, June). Document fraud in probate and financial elder abuse cases. Estate Planning Council South Orange County. One-hour Zoom presentation.

Wakshull, M. N. (2021, May). *Know Your Biases: True Stories From the Courtroom*. Beverly Hills Family lawyers Study Group. One-hour Zoom presentation.

Wakshull, M. N. (2021, April). *Little Known Facts About Altered Documents*. The Esquire Network. One-hour Zoom presentation.

Wakshull, M.N. (2021, March). *Little Known Facts About Altered Documents*. International Association of Scientists & Researchers, 3<sup>rd</sup> International eConference-2021 Document Examination. New Deli, India. Zoom presentation.

Wakshull, M.N.(2021, February). *Know your biases: True stories from the courtroom*. Caroline J. Martin Study Group Family Lawyers. One-hour Zoom presentation.

Wakshull, M.N. (2021, January). *Little Known Methods of Document Fraud*. Chicago Estates and Succession Planning Group. 40-minute Zoom presentation.

Wakshull, M.N (2020, December). *From Lotto tickets to PDFs: Altered documents in legal cases*. San Diego Law Library. One-hour Zoom presentation.

Wakshull, M.N (2020, December). *Document fraud in probate and elder abuse cases*. Pasadena Fiduciary Roundtable. One-hour Zoom presentation.

Wakshull, M.N. (2020, October). *Application of ISO 9001:2015 to develop a quality management system (QMS) for forensic examiners*. Scientific Association of Forensic Examiners. one-hour Zoom presentation.

Wakshull, M.N. (2020, August). *Application of ISO 9001:2015 to develop a quality management system (QMS) for forensic examiners*. American Society for Quality Temecula Section. one-hour Zoom presentation.

Wakshull, Michael N. (2020, August). *Little Known Facts About Handwriting Identification*. San Diego County Law Library. one-hour Zoom presentation.

Wakshull, M.N. (2020, August). *An overview of Forensic Document Examination*. United States Trustees Riverside, CA. Zoom presentation.

Wakshull, M.N. (2020, August). *Will Bias Cost You Your Next Case?*, Orange County Lawyers and Legal Professionals ProVisors Group, Zoom presentation.



- Wakshull, M.N. (2020, June). *Will Bias Cost You Your Next Case?*, San Diego Defense Lawyers Association, Zoom presentation.
- Wakshull, Michael N. (2020, June). *Little Known Facts About Altered Documents*. Riverside County Bar Association, Riverside CA one-hour Zoom presentation.
- Wakshull, Michael. N. (2020, May). *An overview of forensic document examination*. ProVisors Glendale 1 Group, half-hour Zoom presentation.
- Wakshull, Michael. N. (2020, April). *Effective communication techniques for expert witnesses*. Scientific Association of Forensic Examiners, 1-hour Zoom presentation.
- Wakshull, Michael N. (2020, February). *Little Known Facts About Altered Documents*. ProVisors San Diego Lawyers Affiliate Group, San Diego, CA.
- Wakshull, M.N. (2020, February). *Will Bias Cost You Your Next Case?*, North County Bar Association, San Diego, CA.
- Wakshull, M.N. (2020, January). *Will Bias Cost You Your Next Case?*, San Diego County Law Library, San Diego, CA.
- Wakshull, M.N. (2020, January). *Will Bias Cost You Your Next Case?*, North San Diego County Bar Association, Vista CA.
- Wakshull, Michael N. (2019, December). *Little Known Facts About Altered Documents*. San Diego Law Library, San Diego, CA.
- Wakshull, Michael N. (2019, November). *Document Fraud in Elder Abuse and Probate Cases – A Quality Approach*. American Society for Quality, Temecula, CA.
- Wakshull, Michael. N. (2019, October). *Document Fraud in Elder Abuse and Probate Cases*. American Academy of Estate Planning Attorneys. Coronado, CA.
- Wakshull, Michael. N. (2019, October). *Effective communication techniques for expert witnesses*. Association of Forensic Document Examiners, Denton, TX.
- Wakshull, Michael. N. (2019, August). *Authentication of Handwriting & Altered Documents*. MyLawCLE. San Diego, CA.
- Wakshull, Michael. N. (2019, July). *How to Hire a Forensic Expert Witness*, ProLaw CLE, Temecula, CA
- Wakshull, M. N. (2019, July). *Document Fraud in Probate Cases*. ProLaw CLE, Temecula, CA
- Wakshull, Michael. N. (2019, March). *How to Hire a Forensic Expert Witness*, San Diego County Law Library, San Diego, CA.
- Wakshull, Michael N. (2019, March). *Document Fraud in Elder Abuse Cases*. Association of Certified Fraud Examiners Inland Empire Chapter, Ontario, CA.
- Wakshull, M. N. (2019, February). *Document Fraud in Probate Cases*. San Bernardino County Bar Association Trust and Probate Section. San Bernardino, CA.
- Greer, C. K., Wakshull, M.N. & Boesky, L, (2019, January). *Inside the Spiracles Mansion Suicide/Murder Mystery*. Forensic Expert Witness Association San Diego Chapter, San Diego, CA.
- Wakshull, M.N. (2019, January). *Will Bias Cost You Your Next Case?*, ProLaw CLE, Temecula, CA.
- Wakshull, M. N. (2019, January). *Introduction to Examination of Altered Documents*. ProLaw CLE, Temecula, CA.
- Wakshull, M.N. (2019, January). *Will Bias Cost You Your Next Case?*, San Diego County Law Library, San Diego, CA.
- Wakshull, M.N. (2018, October). *Photoshop for Document Examiners*. Scientific Association of Forensic Document Examiners Annual Conference day 2. Web-based presentation.
- Wakshull, M.N. (2018, September). *Discovery of Hidden Writing*. Scientific Association of Forensic Document Examiners Annual Conference. Savannah, GA.
- Wakshull, M.N. (2018, September). *Discovery of Hidden Writing*. Scientific Association of Forensic Document Examiners Annual Conference day 1. Web-based presentation.
- Wakshull, Michael N. (2018, July). *Document Fraud in Elder Abuse Cases*. San Diego County Bar Association Elder Law Section, San Diego, CA.
- Wakshull, Michael N. (2018, May). *Bias and Forensic Examiners*. National Association of Document

- Examiners annual conference. Jacksonville, FL.
- Wakshull, Michael N. (2018, April). *Fraudulent Real Estate Documents*. California Lawyers Association Real Property Law Section Retreat. San Francisco, CA.
- Wakshull, Michael N. (2018, March). *Examination of Fraudulent Real Estate Documents*. San Diego County Law Library, San Diego, CA.
- Wakshull, Michael N. (2018, January). *Will Bias Cost You Your Next Case?*, San Diego County Law Library, San Diego, CA.
- Wakshull, Michael N. (2018, January). *How to Hire a Forensic Expert Witness*, San Diego County Law Library, San Diego, CA.
- Wakshull, M. N. (2017, November) *An Overview of Forensic Document Examination*. San Diego State University. San Diego, CA.
- Wakshull, M. N. (2017, October). *Examination of Electronic Documents*. American Society for Quality Section 703. Temecula, CA.
- Wakshull, Michael N. (2017, October). *Application of NEGA Software to Forensic Document Examination*. Association of Forensic Document Examiners conference, Reno, NV.
- Wakshull, Michael N. (2017, October). *Bias and Forensic Examiners*. Association of Forensic Document Examiners conference, Reno, NV.
- Wakshull, Michael N. (2017, October). *Examination of Fraudulent Documents*. California District Attorneys Association Fraud Conference, Orange County, CA.
- Wakshull, Michael N. (2017, October). *Will Bias Cost You Your Next Case?* California District Attorneys Association Fraud Conference, Orange County, CA.
- Ramsay, J. Kahrs, H., Wakshull, M. (2017, August). *Expert Witnesses 101 & Beyond: The Effective Use of Experts*. Panel discussion. Orange County Women Lawyers Association. Irvine, CA.
- Wakshull, M. N. (2017, August). *Examination of Electronic Documents*. Scientific Association of Forensic Examiners annual conference. On-line.
- Wakshull, Michael N. (2017, June). *Will Courtroom Bias Cost You Your Next Case?* California District Attorneys Association conference, South Lake Tahoe, CA.
- Wakshull, M. N. (2017, May). *Examination of Electronic Documents*. National Association of Document Examiners annual conference. New Orleans, LA.
- Wakshull, M. N. (2017, April). *Introduction to Examination of Altered Documents*. San Diego County Law Library, San Diego, CA.
- Wakshull, M. N. (2017, March). *The Effects of the 2009 NAS Report and the 2016 PCSAT Report on Forensic Science*. California Western School of Law. The Innocence Project. San Diego, CA.
- Wakshull, M. N. (2017, February). *An Overview of Forensic Document Examination*. Temecula Old Town Rotary Club, Temecula, CA.
- Wakshull, Michael N. (2017, January). *How to Hire a Forensic Expert Witness*, San Diego County Law Library, San Diego, CA.
- Wakshull, Michael N. (2016, December). *Authentication of Handwriting*. Riverside County Public Defenders, Riverside, CA.
- Wakshull, Michael N. (2016, December). *Will Courtroom Bias Cost You Your Next Case?* San Diego Law Library, San Diego, CA.
- Wakshull, Michael N. (2016, August). *Altered Documents*. Inland Empire Chapter Association of Certified Fraud Examiners, San Diego, CA.
- Wakshull, Michael N. (2016, August). *Authentication of Handwriting*. Inland Empire Chapter Association of Certified Fraud Examiners, San Diego, CA.
- Wakshull, Michael N. (2016, August). *Authentication of Handwriting*. San Diego Law Library, San Diego, CA.
- Wakshull, Michael N. (2016, July). *Authentication of Handwriting*. California Alliance of Paralegal Associations Inland Empire Chapter, Riverside, CA
- Wakshull, Michael N. (2016, June). *Will Courtroom Bias Cost You Your Next Case?* California Alliance of Paralegal Associations Conference, Riverside, CA.

- Wakshull, Michael N. (2016, May). *Will Courtroom Bias Cost You Your Next Case?* San Diego Law Library, San Diego, CA.
- Wakshull, Michael N. (2016, April). *Using Statistical Analysis to Assist in Writer Identification*. National Association of Document Examiners Conference.
- Wakshull, Michael. N. (2016, March). *Will Courtroom Bias Cost You Your Next Case?* La Jolla Bar Association. La Jolla, CA
- Expert Witness Panel. (2016, January). *The Effective Use of Experts in Litigation, Settlements Discussions and Mediation: Helping You Help Your Clients and Making You Look Good in the Process*. State Bar of California, Real Property Law Section. San Diego, CA.
- Wakshull, Michael. N. (2015, November). *How to Hire a Forensic Expert Witness*, California Alliance of Paralegal Associations conference. Shell Beach, CA.
- Wakshull, M.N. (2015, November), *Authentication of Handwriting*. California Alliance of Paralegal Associations conference. Shell Beach, CA.
- Wakshull, M.N. (2015, November), *Is the Document a Fraud? Forensic Document Examination for Fraud Investigators*, Southern California Fraud Investigator's Association Conference. Palm Springs, CA.
- Wakshull, M.N. (2015, October), *Trends in Handwriting Analysis and Forensic Document Examination*. Legal Nurse Consultants Association. San Diego, CA.
- Wakshull, Michael. N. (2015, August). *Will Courtroom Bias Cost You Your Next Case?* Forensic Expert Witness Association Orange County Chapter.
- Wakshull, Michael N. (2015, July). *Using Statistical Analysis to Assist in Writer Identification*. Forensic Science Error Management. National Institute of Standards and Technology. Arlington, VA.
- Wakshull, Michael. N. (2015, July). *Will courtroom bias cost you your next case?* Los Angeles Legal Secretaries Forum.
- Wakshull, Michael N. (2015, June). *An Overview of Forensic Document Examination*. California Alliance of Paralegal Associations conference. San Jose, CA.
- Wakshull, Michael N. (2015, June). *Authentication of Handwriting*. California Alliance of Paralegal Associations conference. San Jose, CA.
- Wakshull, Michael N. (2015, June). *Altered Documents And Other Topics In Forensic Document Examination*. California Alliance of Paralegal Associations conference. San Jose, CA.
- Wakshull, Michael N. (2015, June). *You Think You Need A Document Examiner?* California Alliance of Paralegal Associations conference. San Jose, CA.
- Wakshull, Michael N. (2015, May). *Forensic Document Examination for Investigators*. California Association of Licensed Investigators.
- Wakshull, M.N. (2015, May). *Trends in Handwriting Analysis and Forensic Document Examination*. Thompson Reuters. 90 minute webinar for West Legal Services.
- Wakshull, M.N. (2015, April). *Forensic Documentation For Fraud Examiners*. Inland Empire Chapter Association of Certified Fraud Examiners, Ontario, CA.
- Wakshull, M. N. (2015, April). *Will Courtroom Bias Cost You Your Next Case?* Forensic Expert Witness Association. San Diego, CA.
- Wakshull, M.N. (2015, March), *Trends in Handwriting Analysis and Forensic Document Examination*. Riverside County Bar Association. Riverside, CA.
- Wakshull, M. N. (2015, January). (January), *Will Courtroom Bias Cost You Your Next Case?* Association of Legal Nurse Consultants. San Diego, CA.
- Wakshull, M.N. (2014). *Examination Of Electronic Documents*. Scientific Association of Forensic Examiners Conference. Boca Raton, FL.
- Wakshull, M. N. (2013, May). *An Overview of Forensic Document Examination*. Riverside County Public Defenders attorneys. Riverside CA.
- Wakshull, M. N. (2013, January). *An Introduction to Forensic Document Examination (full-day seminar)*. Riverside County Public Defenders Investigators. Riverside, CA.

- Wakshull, M. N. (2012, November). *The Use of Control Charts to Assist With Writer Identification*. American Society for Quality Quality Day Symposium. Pomona, CA.
- Wakshull, M. N. (2012, October). *The Effects of Motivational and Cognitive Bias in Forensic Science*. Association of Forensic Document Examiners. Phoenix, AZ.
- Wakshull, M. N. (2011, November). *An Overview of the World Congress of Forensics*. Forensic Consultants Association. San Diego, CA.
- Wakshull, M. N. (2011, October). *The Effects of Bias on Managers' Decisions*. American Society for Quality. Temecula, CA.
- Wakshull, M. N. (2011, October). *The Use of Statistical Process Control to Assist Writer Identification*. World Congress of Forensics. Chongqing, China.
- Wakshull, M. N. (2011, March). *Introduction to Forensic Document Examination*. California Association of Handwriting Analysts. Buena Park, CA.
- Wakshull, M. N. (2010, May). *Cognitive Bias And The Document Examiner: Or - What You Don't Know About Your Attitudes Can Hurt Your Client*. National Association of Document Examiners Annual Conference. Portland, OR.
- Wakshull, M. N. (2010, January). *Do Your Biases Affect Your Expert Opinion?* Forensic Expert Witness Association. San Diego, CA.
- Wakshull, M. N. (2009, September). *Risk Management in Production and Post-Production*. Project Management Institute Risk SIG Conference. Santa Clara, CA.
- Wakshull, M. N. (2009, April). *Determining Authorship Of Handwritten Documents Through Examination Of Microscopic Features in Writing*. National Association of Document Examiners. Boca Raton, FL.

**Offered for Minimum Continuing Legal Education (Formerly Approved by CLA)**

- An Introduction to Altered Documents 1.0 hour
- An Introduction to Examination of Handwriting 1.0 hour
- How to Hire a Forensic Expert 1.0 hour
- Will Bias Cost You Your Next Case? 1.0 hour bias

**Offered for Minimum Continuing Legal Education (MCLE) through Attorneycredits.com and lexvid.com**

- Implicit Bias in The Courtroom: Will it cost you your next case?
- Know Your Biases: True Stories From the Courtroom
- An Introduction to Forensic Handwriting Examination
- An Introduction to Altered Documents
- How to Hire a Forensic Expert

**Offered for Minimum Continuing Legal Education (MCLE) through Thompson Ruters**

- Trends in Handwriting Analysis and Forensic Document Examination. 90 minute webinar delivered on May 15, 2015.

**Other CLE credit presentations**

- Trends in Handwriting Analysis and Forensic Document Examination. Riverside County Bar Association. Riverside, CA.
- An Overview of Forensic Document Examination, Southwest Riverside County Bar Association.

**Court Qualified**

1. San Diego County
2. Riverside County
3. Orange County
4. Los Angeles County
5. San Bernardino County
6. Monterey County
7. Ventura County
8. Clark County, NV
9. US District Court Central District of CA
10. US District Court Southern District of Florida
11. High Court at Kuala Lumpur, Malaysia

**States from which cases have been examined**

1. California	2. Florida
3. Louisiana	4. Michigan
5. Minnesota	6. New Mexico
7. New York	8. Pennsylvania
9. Texas	10. Utah
11. New Jersey	12. South Dakota
13. Mississippi	14. Hawaii
15. West Virginia	16. Kansas
17. Illinois	18. Missouri
19. Nevada	20. Arizona
21. Washington	22. Alaska
23. Oklahoma	24. Connecticut
25. South Carolina	26. Virginia
27. Oregon	28. Montana

**Countries from which cases have been examined**

1. Canada: British Columbia, Alberta	2. Hong Kong, China
3. Bahrain	4. Malaysia
5. Mexico	6.