



## **Mobile Digital Evidence - iOS Analysis**

### **Test No. 21-5551 Summary Report**

---

Participants were provided with data yielded from an extraction of an iPhone. They were asked to analyze the data and answer scenario based questions utilizing their own tools and methods. Data were returned from 72 participants and are compiled in the following tables:

	<u>Page</u>
<a href="#"><u>Manufacturer's Information</u></a>	<u>2</u>
<a href="#"><u>Summary Comments</u></a>	<u>6</u>
<a href="#"><u>Table 1: Digital Evidence Responses</u></a>	<u>7</u>
<a href="#"><u>Table 2: Additional Comments</u></a>	<u>134</u>

This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

# Manufacturer's Information

---

The Mobile Digital Evidence – iOS Analysis test consisted of evidence data acquired from a smart phone. Participants were asked to examine the extracted data pertaining to a simulated scenario utilizing their own software and methods.

## SAMPLE PREPARATION:

A scripted scenario, based upon a bullying case, was created to generate user data on the evidence iPhone device. The execution of the scripted crime took place between 1 June 2021 and 3 July 2021. An iPhone 6s smart phone was used to perform the activities and generate the intended artifacts.

The phone data was acquired through a file-system extraction of the smart phone utilizing Cellebrite software. Following sample validation, the phone data was converted into a compressed .Zip file. This file was uploaded to the CTS Portal for participants to download. MD5 algorithm was run on the compressed file to generate a unique hash value to allow participants to validate the successful download of the file.

## SAMPLE VALIDATION/VERIFICATION:

The validation stage consisted of the examination of the phone data utilizing various software to ensure the expected results could be achieved. Results from the predistribution laboratories were reviewed and certain questions were removed or rephrased as necessary.

PLEASE NOTE: Questions marked with asterisks (\*\*) did not show a clear consensus during preliminary review of the participants' responses. Further information and discussion will be available in the final summary report

## SCENARIO PROVIDED TO PARTICIPANTS

A bullying case is being investigated. The victim, Jennifer reported that she met some new people during a summer activity. They began communicating via text, Snapchat, Facebook and other social media services. Some of these new acquaintances started to harass her with increasing intensity. Jennifer started to show signs of depression and expressed suicidal feelings. Jennifer's parents noticing this change in her behavior, decided to read some of the communications on her phone. In an attempt to stop the bullying of their daughter, Jennifer's parents contacted the local authorities and provided them with her phone. You are being provided with extracted phone data from Jennifer's phone to examine in furtherance of this investigation.

## Manufacturer's Information, continued

<u>Question</u>	<u>Manufacturer's Expected Response</u>
1	<p><u>Provide the SHA256 hash for the file(s) you used (FullFileSystem.1.dar, or root.zip, or both).</u></p> <p>FullFileSystem.1.dar: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 root.zip: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E</p>
2	<p><u>Based on the time zone settings of the device, on what date was this device reset (erasing all content and settings)? Provide date in the following format: Month Day, Year (e.g. January 1, 1970)</u></p> <p>May 31, 2021 and June 1, 2021</p>
3	<p><u>Provide the Device Phone Number (MSISDN).</u></p> <p>17036499450</p>
4	<p><u>What type of extraction produced the provided dataset?</u></p> <p>File system extraction, or Full File System (checkm8), or Advanced Logical File System, or iOS_Full_FileSystem and all formatting styles which represent the same information.</p>
5	<p><u>What is the locale / language setting for this phone?</u></p> <p>en-US and variations representing the same information</p>
6	<p><u>Provide the AppleID associated with this phone.</u></p> <p>jennyjones07@icloud.com</p>
7	<p><u>What is the time zone setting for this phone? Provide your response in the following format: Country/City.</u></p> <p>America/New_York and variations representing the same information</p>
8	<p><u>What is the SSID of the Wi-Fi access point with BSSID BC:9B:68:A2:0F:67?</u></p> <p>xfinitywifi</p>
9	<p><u>What is the device name for the (connected) device with MAC address 00:11:67:CA:73:F3?</u></p> <p>PH-BT1000</p>
10	<p><u>What (non-Apple) email app did the user install?</u></p> <p>Gmail</p>
11	<p><u>What email address was associated with the user-installed (non-Apple) email app referenced in question 10?</u></p> <p>jjones2000me@gmail.com</p>
12	<p><u>For the email account referenced in questions 10-11, on what date and time did the device user email themselves? Provide the answer in the following format: MM/DD/YYYY HH:MM:SS AM/PM(UTC+0)</u></p> <p>07/01/2021 12:54:01 AM(UTC+0) and all formatting styles including different time zones which represent the same information.</p>
13	<p><u>Provide the LAST number dialed on the phone?</u></p> <p>8002738255</p>
14	<p><u>From which contact did the user answer a call on 6/25/2021 11:57:19PM(UTC+0)? Provide contact name.</u></p> <p>Cindy J</p>

## Manufacturer's Information, continued

<u>Question</u>	<u>Manufacturer's Expected Response</u>
15	<u>What is the title of the Note taken (with the native notes App) at 7/3/2021 2:44:09 PM(UTC+0)?</u> <i>Strigidae</i>
16	<u>The user navigated to what address using the Google Maps app on June 21, 2021. Provide full address.</u> <i>44735 Thorndike St, Ashburn, VA 20147 and all formatting styles which represent the same information.</i>
17	<u>What was the total transaction amount (total amount including tax) of the purchase made with the Starbucks app at the "One Loudoun" Starbucks on June 21, 2021. (*not the \$10 card activation)</u> <i>\$3.13</i>
18	<u>On what date did the user search the internet for pool hours? Provide your response in the following format MM/DD/YYYY.</u> <i>06/20/2021</i>
19	<u>Who did the phone owner discuss meeting at the pool on 6/23/2021? Provide names.</u> <i>Trish and Jess</i>
20	<u>What day did the owner document as "Moving Day"? Provide the date in the following format: Month Day, Year (e.g. January 1, 1970)</u> <i>May 25, 2021 or May 26, 2021</i>
21	<u>Provide the full content of the voicemail message received on June 27, 2021.</u> <i>"We are never going to stop, you will never fit in here, you are a freak, you are not welcome here" and variations representing similar information.</i>
22	<u>Describe the type and content of the file with MD5 hash b278ec81b7dcca9291ffe7aca790092b.</u> <i>Video from an airplane window and variations representing similar information.</i>
23	<u>Provide the GPS Position coordinates for IMG_0001.JPG in the format nn.nnnnnn N, nn.nnnnnn W.</u> <i>38.891258 N, 77.016922 W, or 38.891258 N, 77.016923 W and all formatting styles which represent the same information.</i>
24	<u>Provide the identifier (e.g. phone number, email address, or social media handle, etc.) for the party who sent the image of a noose to the owner of the phone.</u> <i>+13017994219</i>
25	<u>How many steps did the user take on June 3, 2021?</u> <i>55</i>
26	<u>What is the user's Instagram account username?</u> <i>jennjo07</i>
27	<u>What is Tyson Pimmit's phone number?</u> <i>(703) 790-8088</i>
28	<u>What did the user conduct a Google search for using the Opera (OperaTouch) web browser?</u> <i>painless suicide</i>

## **Manufacturer's Information, continued**

<b><u>Question</u></b>	<b><u>Manufacturer's Expected Response</u></b>
29 <u>The user navigated to what address using the (native) Maps app? Provide the number and street name.</u>	12300 Iona Sound Dr
30 <u>What is the user's password for Walmart.com?</u>	Passweird!
31 <u>What is the content of the message received by the user's Signal app at 6/27/2021 9:49 PM(UTC+0)?</u>	This is never going to end
32 <u>What did the user search for on Google using the Safari browser?</u>	free counseling hotline
33 <u>Provide the phone model name for this device (e.g., iPhone 5c, iPhone 8 Plus).</u>	iPhone 6s
34 <u>What is the model number of this phone (e.g., a1529, a1864)?</u>	A1633
35 <u>What version of iOS was running on this iPhone?</u>	13.5.1
36 <u>What is the MAC address for the Wi-Fi radio on this phone?</u>	44:18:FD:1A:CD:9D
37 <u>What is the password for the Skynet Wi-Fi network?</u>	skynettenyks
38 <u>Give the name of the .plist file that contains the text string j5a0jTc9S10</u>	com.google.ios.youtube.plist, or /private/var/mobile/Containers/Data/Application/EE3042A0-1989-4185-8E04-62C620911021/Library/Preferences/com.google.ios.youtube.plist

## **Summary Comments**

---

The purpose of this Mobile Digital Evidence (MDE) Test is to allow participants to evaluate their proficiency in analyzing digital artifacts using their own tools and methods. The participants were provided with a scripted scenario, the data extracted from a smart phone, and a series of questions related to the extracted data (See Manufacturer's Information for preparation details, test scenario, and test questions).

The participants were requested to analyze various digital artifacts including: phone and network settings, applications, communications, web browser history, and Geo-Location information.

All 38 questions reached a consensus response when formatting and time zone differences were taken into consideration. A consensus was determined for each question based on the total number of participants returning results for that particular question. In the case of questions Q#17 and Q#28, a response differing from the achieved consensus was reported at a frequency of 10% or greater. More details concerning these responses are discussed later in the report under their corresponding question.

Please Note: Several forensic software tools were utilized during the validation of this test and may be referenced during the discussion of results. CTS does not endorse any particular tools.

# Digital Evidence Responses

TABLE 1

**Question 1 - Examination Questions**

Question 1: Provide the SHA256 hash for the file(s) you used (FullFileSystem.1.dar, or root.zip, or both).

**Manufacturer's** FullFileSystem.1.dar:  
**Expected Response:** 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1  
 root.zip:  
 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E

WebCode	Response
2AWPX6	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
2KBJBJ	DAR + 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 ZIP 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
32HXAT	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
34LVJZ	FullFileSystem.1.dar - 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 root.zip - 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
3CD7TV	FullFileSystem.1.dar 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
3KRXJT	FullFileSystem.1.dar - SHA256 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip - SHA256: 7ca8f486052bbe20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
3WM4CR	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 FullFileSystem.1.dar
4RLKNX	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
6NJ3N9	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
6WYMAU	21-5551_Data\Data\root.zip 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E FullFileSystem.l.dar 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
6ZW4MN	0798656EE5A06BFD986C49BD0E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
6ZXX7U	FullFileSystem.1.dar - 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 root.zip - 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
767LJV	FullFileSystem.1.dar SHA256 - 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 root.zip SHA256 - 7ca8f486052bbe20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
79N3AE	Root.zip: 7ca8f486052bbe20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
7DJNFX	FullFileSystem.1.dar: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 root.zip: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E"
7Q4CDZ	3fe12c34b40b5b54405a6a27b37c2d16
8LTJXV	FullFileSystem.dar 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 Root.zip 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
8TPDVU	FullFileSystem.1.dar : 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1

TABLE 1

Question 1 - Examination Questions	
WebCode	Response
9KBRMP	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
ANAMKJ	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
AR6EQU	FullFileSystem.1.dar - 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 Root.zip - 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
BCDUU8	FullFileSytem.1.dar: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAAFE018ECE1BF3E56A7DC1 Root.zip: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C29E
BCR32M	Root.zip= 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E FullFileSystem.1.dar= 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
BFT9FT	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
BGL2BB	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
BQABJ6	root.zip: 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e backup_keychain_v2.plist: 91a848322e176f59a75cc5ffab602b065729e2cbe30e8775895be18d85d1f2be
C9NUAG	FullFileSystem.1.dar: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
CERXXU	FullFileSystem.1.dar: 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip: 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
CU9ME6	SHA256: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 (FullFileSystem.1.dar) SHA256: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E (root.zip)
DRVJZK	FullFileSystem.1.dar: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 root.zip: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
F2B8MH	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
FTHYZ7	FullFileSystem.1.dar: 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1, root.zip: 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
GHGNF3	root.zip: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
GKJRYC	root.zip: 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
GUTYYL	0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1
H2PBFZ	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
H73ZV4	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
HBE79N	0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1
HU3P3M	0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1
HYJXNZ	0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1
K46L2A	0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e



TABLE 1

Question 1 - Examination Questions	
WebCode	Response
KM3MDF	b4cc0960422f9038484442ac9a9abcb5
LJVR8H	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
LMXR8E	FullFileSystem.1.dar SHA256 hash: 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip SHA256 hash: 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
MBFPZ8	0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
MG66PE	FullFileSystem.1.dar: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 root.zip: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
MGL48H	FullFileSystem.1.dar: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 root.zip: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
NZX87F	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
P2L2HA	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
P2ZPGG	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
Q924ZW	FullFileSystem.1.dar: 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip: 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
QUYVY9	FullFileSystem.1.dar: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 root.zip: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
R443E9	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
RWH8D4	7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
T8WLTC	FullFileSystem.1.dar: 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip: 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
TBDTEQ	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
TU8NRD	FullFileSystem1.dar: 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip: 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
UECLQZ	FullFileSystem.1.dar: 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip: 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
ULAGJR	Root.zip = 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e FullFileSystem.dar = 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1
UR2LG3	7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E, 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
UZBTEQ	FullFileSystem.1.dar = 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip = 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
VTAXY4	FullFileSystem.1.dar - 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
VZ6X9Q	FullFileSystem.1.dar = 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 Root.zip = 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
WAQJVZ	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
WDUCPY	FullFileSystem.1.dar - 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip - 7ca8f486052bbee20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e

TABLE 1

Question 1 - Examination Questions	
WebCode	Response
X3MWG6	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
YAXTC4	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E
YG3J2M	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
YHYU2W	The SHA256 hash for the FullFileSystem.1.dar is: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
Z3EWAZ	0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1
ZHVRPW	FullFileSystem.1.dar = 0798656ee5a06bfd986c49bd1e2d2ce9d0ef2f52baa4fe018ece1bf3e56a7dc1 root.zip = 7ca8f486052bbe20ed110b0f0c9c9a381f9eabd758200c3e7a10f17ad69c92e
ZJQBQX	ot.zip: 7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E FullFileSystem.1.dar: 0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1

Question 1: Provide the SHA256 hash for the file(s) you used (FullFileSystem.1.dar, or root.zip, or both).

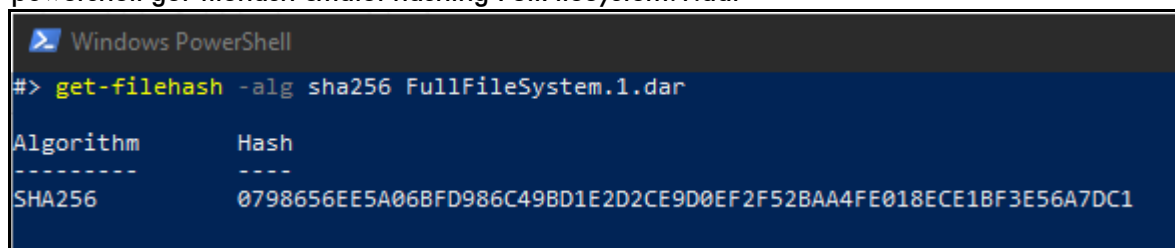
**Consensus Result:** FullFileSystem.1.dar:  
0798656EE5A06BFD986C49BD1E2D2CE9D0EF2F52BAA4FE018ECE1BF3E56A7DC1  
root.zip:  
7CA8F486052BBEE20ED110B0F0C9C9A381F9EABD758200C3E7A10F17AD69C92E

**Expected Response Explanation:**

File digests (hashes) can be calculated using any trusted hashing tool.

**Expected Response Illustration:**

powershell get-filehash cmdlet hashing FullFileSystem.1.dar



7zip checksum tool showing hash of root.zip

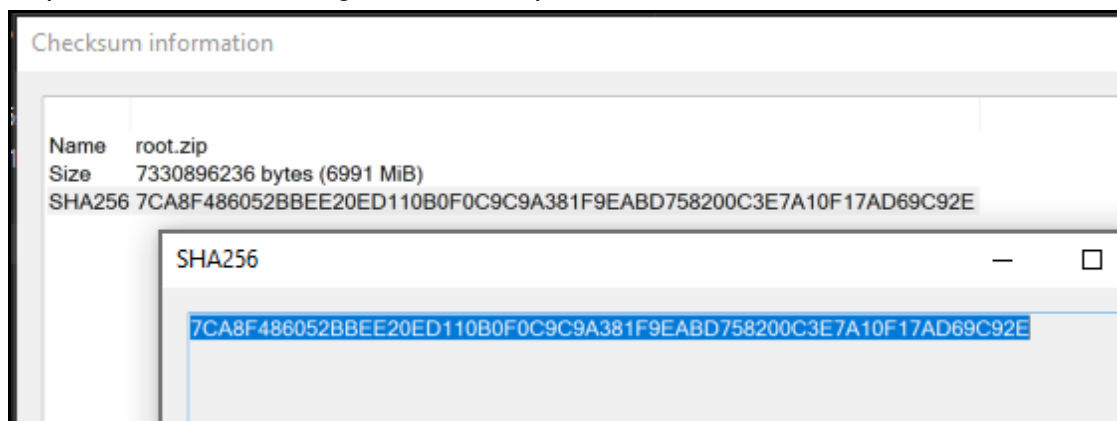


TABLE 1

**Question 2 - Examination Questions**

**Question 2:** Based on the time zone settings of the device, on what date was this device reset (erasing all content and settings)? Provide date in the following format: Month Day, Year (e.g. January 1, 1970)

Manufacturer's May 31, 2021 and June 1, 2021

Expected Response:

WebCode	Response
2AWPX6	May 31, 2021
2KBJBJ	May 31, 2021 (at 22:37:45 (-0400))
32HXAT	May 31, 2021
34LVJZ	May 31, 2021
3CD7TV	May 27, 2020
3KRXJT	May 31, 2021
3WM4CR	May 31, 2021
4RLKNX	May 31, 2021
6NJ3N9	June 2, 2021
6WYMAU	May 31, 2021
6ZW4MN	May 31, 2021
6ZXX7U	May 31, 2021
767LJV	May 31, 2021
79N3AE	June 1, 2021
7DJNFX	Monday, May 31, 2021
7Q4CDZ	July 1, 2021
8LTJXV	May 31, 2021.
8TPDVU	May 31, 2021
9KBRMP	5/31/2021
ANAMKJ	June 2, 2021
AR6EQU	May 31, 2021
BCDUU8	May 31, 2021
BCR32M	May 31, 2021
BFT9FT	May 31, 2021
BGL2BB	May 31, 2021
BQABJ6	June 1, 2021
C9NUAG	May 25, 2021
CERXXU	May 31, 2021
CU9ME6	June 2, 2021

TABLE 1

Question 2 - Examination Questions	
WebCode	Response
DRVJZK	May 31, 2021
F2B8MH	May 27, 2021
FTHYZ7	May 31, 2021
GHGNF3	May 31, 2021
GKJRYC	June 1, 2021
GUTYYL	June 2, 2021
H2PBFZ	This laboratory does not provide this service.
H73ZV4	May 31, 2021
HBE79N	Not listed
HU3P3M	May 31, 2021
HYJXNZ	2/6/2021 4:35:55 PM
K46L2A	May 31, 2021
KM3MDF	June 1, 2021
LJVR8H	May 31, 2021
LMXR8E	May 31, 2021
MBFPZ8	May 31, 2021
MG66PE	June 1, 2021
MGL48H	May 31, 2021
NZX87F	May 31, 2021
P2L2HA	May 31, 2021
P2ZPGG	June 1 2021
Q924ZW	May 31, 2021
QUYVY9	May 31, 2021
R443E9	June 1, 2021
RWH8D4	June 1, 2021
T8WLTC	May 31, 2021
TBDTEQ	05/31/2021 22:37:25 (UTC-4)
TU8NRD	May 31, 2021
UECLQZ	June 7, 2021.
ULAGJR	May 31st, 2021 The device was setup following a wipe on May 31st, 2021. It is not possible to determine when a device was wiped, only when the device was first used.
UR2LG3	May 31, 2021
UZBTEQ	May 31, 2021

TABLE 1

Question 2 - Examination Questions	
WebCode	Response
VTAXY4	May 31, 2021
VZ6X9Q	May 31, 2021
WAQJVZ	May 31, 2021
WDUCPY	May 31, 2021
X3MWG6	June 2, 2021
YAXTC4	June 1, 2021
YG3J2M	May 31, 2021 (UTC -5)
YHYU2W	The device was reset on June 1, 2021.
Z3EWAZ	June/1/2021
ZHVRPW	May 31, 2021
ZJQBQX	May 31, 2021

**Question 2:** Based on the time zone settings of the device, on what date was this device reset (erasing all content and settings)? Provide date in the following format: Month Day, Year (e.g. January 1, 1970)

**Consensus Result:** May 31, 2021. June 1, 2021 was also accepted in the event that a participant did not adjust for local time offset as instructed.

**Expected Response Explanation:**

The creation/modification date of the .obliterated file at /private/var/ is a reliable means to establish when an iOS device was reset.

**Expected Response Illustration:**

**.obliterated**

General	
User ID	0
Group ID	0
Date & Time	
Creation time	5/31/2021 10:37:25 PM(UTC-4)
Modify time	5/31/2021 10:37:25 PM(UTC-4)
Last access time	5/31/2021 10:37:25 PM(UTC-4)
Deleted time	
Change time	5/31/2021 10:37:25 PM(UTC-4)

TABLE 1

## Question 3 - Examination Questions

Question 3: Provide the Device Phone Number (MSISDN).

Manufacturer's 17036499450

Expected Response:

WebCode	Response
2AWPX6	17036499450
2KBJBJ	17036499450
32HXAT	17036499450
34LVJZ	17036499450
3CD7TV	17036499450
3KRXJT	17036499450
3WM4CR	1-703-649-9450
4RLKNX	17036499450
6NJ3N9	17036499450
6WYMAU	17036499450
6ZW4MN	1-703-649-9450
6ZXX7U	17036499450
767LJV	17036499450
79N3AE	17036499450
7DJNFX	17036499450
7Q4CDZ	17036499450
8LTJXV	17036499450
8TPDVU	17036499450
9KBRMP	17036499450
ANAMKJ	17036499450
AR6EQU	17036499450
BCDUU8	17036499450
BCR32M	17036499450
BFT9FT	17036499450
BGL2BB	17036499450
BQABJ6	17036499450
C9NUAG	17036499450
CERXXU	1-703-649-9450
CU9ME6	1-703-649-9450
DRVJZK	17036499450

TABLE 1

Question 3 - Examination Questions	
WebCode	Response
F2B8MH	17036499450
FTHYZ7	17036499450
GHGNF3	1-703-649-9450
GKJRYC	17036499450
GUTYYL	17036499450
H2PBFZ	17036499450
H73ZV4	17036499450
HBE79N	17036499450
HU3P3M	1 (703) 649-9450
HYJXNZ	17036499450
K46L2A	17036499450
KM3MDF	17036499450
LJVR8H	17036499450
LMXR8E	17036499450 or 1-703-649-9450
MBFPZ8	17036499450
MG66PE	17036499450
MGL48H	17036499450
NZX87F	17036499450
P2L2HA	1-703-649-9450
P2ZPGG	17036499450
Q924ZW	17036499450
QUVY9	17036499450
R443E9	17036499450
RWH8D4	17036499450
T8WLTC	17036499450
TBDTEQ	17036499450
TU8NRD	17036499450
UECLQZ	17036499450
ULAGJR	17036499450
UR2LG3	17036499450
UZBTEQ	17036499450
VTAXY4	1-703-649-9450
VZ6X9Q	17036499450

TABLE 1

Question 3 - Examination Questions	
WebCode	Response
WAQJVZ	17036499450
WDUCPY	17036499450
X3MWG6	17036499450
YAXTC4	17036499450
YG3J2M	17036499450
YHYU2W	The Device Phone number (MSISDN) is: 1-703-649-9450
Z3EWAZ	1 703 649 9450
ZHVRPW	17036499450
ZJQBQX	17036499450

**Question 3: Provide the Device Phone Number (MSISDN).**

**Consensus Result:** 17036499450 and other formats of the same information.

**Expected Response Explanation:**

Device info such as the phone number (MSISDN) can be found using the following path:  
 /private/var/wireless/Library/Preferences/com.apple.commcenter.plist

**Expected Response Illustration:**

com.apple.commcenter.plist

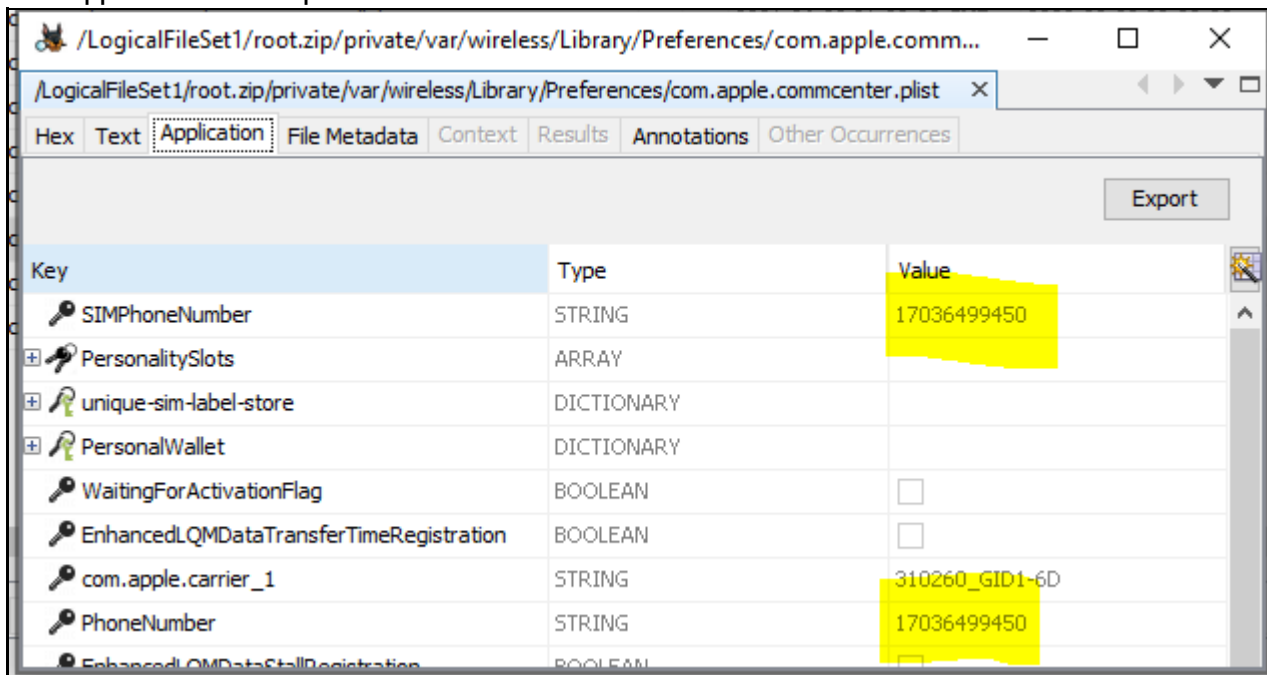




TABLE 1

### Question 4 - Examination Questions

**Question 4: What type of extraction produced the provided dataset?**

**Manufacturer's** File system extraction, or Full File System (checkm8), or Advanced Logical File System, or  
**Expected Response:** iOS\_Full\_FileSystem and all formatting styles which represent the same information.

WebCode	Response
2AWPX6	File System
2KBJBJ	A File System extraction using UFED 7.44.0.025
32HXAT	File System
34LVJZ	File System
3CD7TV	FileSystem
3KRXJT	Full File System Extraction
3WM4CR	file system
4RLKNX	AFU (After First Unlock) Full Filesystem obtained with Checkra1n beta 0.9.6
6NJ3N9	Apple iOs Full File system
6WYMAU	File System
6ZW4MN	Full Filesystem
6ZXX7U	Full FileSystem
767LJV	File System
79N3AE	Full File System
7DJNFX	FileSystem
7Q4CDZ	Full file system
8LTJXV	File System
8TPDVU	Fullfilesystem with Checkra1n
9KBRMP	Full File System
ANAMKJ	File System
AR6EQU	File System
BCDUU8	File System
BCR32M	File System
BFT9FT	File System
BGL2BB	Full File System (checkm8)
BQABJ6	Full File System
C9NUAG	iOS Full File System (checkm8-exploit)
CERXXU	File system
CU9ME6	File System
DRVJZK	File System

TABLE 1

Question 4 - Examination Questions	
WebCode	Response
F2B8MH	File System
FTHYZ7	FullFileSystem
GHGNF3	File system
GKJRYC	Full file system
GUTYYL	File System
H2PBFZ	File System
H73ZV4	Full File System
HBE79N	FileSystem
HU3P3M	File System
HYJXNZ	FullFileSystem
K46L2A	Full File System
KM3MDF	UFED Advanced Logical Full File System (checkm8)
LJVR8H	File System
LMXR8E	File System
MBFPZ8	Full File System
MG66PE	File System
MGL48H	File System
NZX87F	File System
P2L2HA	file system
P2ZPGG	File system
Q924ZW	iOS_Full_FileSystem or FileSystem
QUYVY9	File System
R443E9	File System
RWH8D4	Full File System
T8WLTC	File System
TBDTEQ	File System
TU8NRD	File System
UECLQZ	Full File System (checkm8); Full File System + Keychain + Metadata
ULAGJR	File system (CheckM8)
UR2LG3	full file system
UZBTEQ	APPLE_IOS_FULL_FILE_SYSTEM
VTAXY4	File System
VZ6X9Q	File System

TABLE 1

Question 4 - Examination Questions	
WebCode	Response
WAQJVZ	File System
WDUCPY	Full File System
X3MWG6	FileSystem
YAXTC4	FileSystem
YG3J2M	File System
YHYU2W	The type of extraction was a File System
Z3EWAZ	File System
ZHVRPW	File System
ZJQBQX	File System extraction

**Question 4: What type of extraction produced the provided dataset?**

**Consensus Result:** File system extraction, or Full File System (checkm8), or Advanced Logical File System, or iOS\_Full\_FileSystem and all formatting styles which represent the same information.

**Expected Response Explanation:**

This information is recorded by the acquisition tool and is stored in the Apple\_iPhone 6s (A1633) .ufd file.

**Expected Response Illustration:**

**Apple\_iPhone 6s (A1633).ufd**

```

Apple_iPhone 6s (A1633).ufd
1 [Dumps]
2 FileDump=FullFileSystem.1.dar
3 Keychain=KeychainDump
4 Metadata=MetaData
5
6 [ExtractionStatus]
7 ExtractionStatus=Success
8
9 [FileDump]
10 ExtractionMethod=iOS_Full_FileSystem
11 Type=DARFolder
12
13 [General]
14 ConnectionType=Cable No. 210
15 Date=03/07/2021 10:57:16 (-4)
16 Device=IPHONE
17 EndTime=03/07/2021 11:14:41 (-4)
18 ExtractionNameFromXML=Full File System (checkm8)
19 ExtractionType=FileSystem
20 FullName=iPhone 6s (A1633)
21 GUID=E399A682-753C-4E76-A5A8-DB8EAF6BEA64
22 InternalBuild=7.44.0.205
    
```

TABLE 1

## Question 5 - Examination Questions

**Question 5: What is the locale / language setting for this phone?**

**Manufacturer's** en-US and variations representing the same information

**Expected Response:**

WebCode	Response
2AWPX6	en-US
2KBJBJ	En
32HXAT	en_US
34LVJZ	en_US
3CD7TV	English
3KRXJT	en_US
3WM4CR	en_US
4RLKNX	en-US
6NJ3N9	United States / English
6WYMAU	English/ New York (America)
6ZW4MN	en-us
6ZXX7U	En_US or United States / English
767LJV	English or en_US
79N3AE	
7DJNFX	en_US
7Q4CDZ	English
8LTJXV	En-US
8TPDVU	en-US
9KBRMP	English
ANAMKJ	United States / English
AR6EQU	en-US
BCDUU8	En_US
BCR32M	En_US
BFT9FT	en_US
BGL2BB	en_US
BQABJ6	English
C9NUAG	English-US
CERXXU	en_US
CU9ME6	en_US (English)
DRVJZK	en-US

TABLE 1

Question 5 - Examination Questions	
WebCode	Response
F2B8MH	en_US
FTHYZ7	en_US
GHGNF3	En_US
GKJRYC	en_US
GUTYYL	English
H2PBFZ	en_US
H73ZV4	en_US / en-US
HBE79N	English
HU3P3M	en_US, English
HYJXNZ	en_US
K46L2A	en_US
KM3MDF	US
LJVR8H	en_US
LMXR8E	en, English, or en_US
MBFPZ8	en_US
MG66PE	English
MGL48H	en_US
NZX87F	en_US
P2L2HA	US/EN
P2ZPGG	en_US
Q924ZW	US / en or US /english
QUYVY9	en-US
R443E9	America
RWH8D4	en_US
T8WLTC	America / English
TBDTEQ	en_US
TU8NRD	US/en
UECLQZ	en-us
ULAGJR	English (American) En-US
UR2LG3	En/US
UZBTEQ	US English (en-US)
VTAXY4	en-US

TABLE 1

Question 5 - Examination Questions	
WebCode	Response
VZ6X9Q	en-US
WAQJVZ	en-US
WDUCPY	en-US
X3MWG6	en-US
YAXTC4	en_US
YG3J2M	en-US
YHYU2W	The locale / language setting is: en_US
Z3EWAZ	English
ZHVRPW	English - US
ZJQBQX	Locale: New_York (America) Language: English

**Question 5: What is the locale / language setting for this phone?**

**Consensus Result:** en-US and variations representing the same information

**Expected Response Explanation:**

The language settings can be found using the following path:  
/private/var/mobile/Library/Preferences/.GlobalPreferences.plist.

**Expected Response Illustration:**

.GlobalPreferences.plist

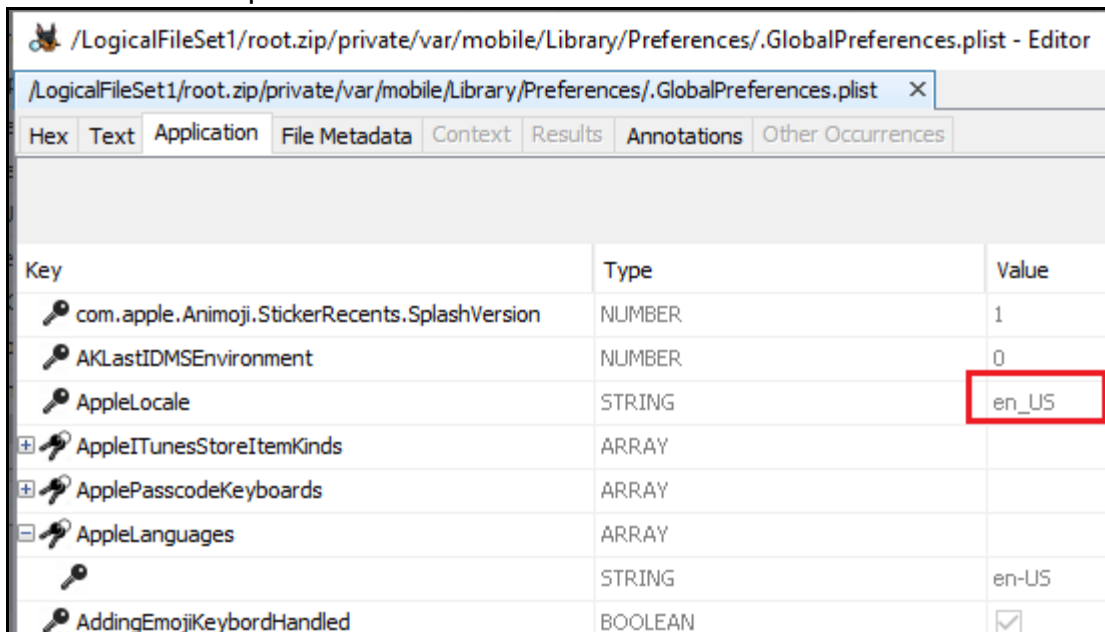


TABLE 1

## Question 6 - Examination Questions

**Question 6: Provide the AppleID associated with this phone.**

**Manufacturer's** jennyjones07@icloud.com

**Expected Response:**

WebCode	Response
2AWPX6	jennyjones07@icloud.com
2KBJBJ	jennyjones07@icloud.com
32HXAT	jennyjones07@icloud.com
34LVJZ	jennyjones07@icloud.com
3CD7TV	jennyjones07@icloud.com
3KRXJT	jennyjones07@icloud.com
3WM4CR	jennyjones07@icloud.com
4RLKNX	jennyjones07@icloud.com
6NJ3N9	jennyjones07@icloud.com
6WYMAU	jennyjones07@icloud.com
6ZW4MN	jennyjones07@icloud.com
6ZXX7U	jennyjones07@icloud.com
767LJV	jennyjones07@icloud.com
79N3AE	jennyjones07@icloud.com
7DJNFX	jennyjones07@icloud.com
7Q4CDZ	jennyjones07@icloud.com
8LTJXV	jennyjones07@icloud.com
8TPDVU	jennyjones07@icloud.com
9KBRMP	jennyjones07@icloud.com
ANAMKJ	jennyjones07@icloud.com
AR6EQU	jennyjones07@icloud.com
BCDUU8	Jennyjones07@icloud.com
BCR32M	jennyjones07@icloud.com
BFT9FT	jennyjones07@icloud.com
BGL2BB	jennyjones07@icloud.com
BQABJ6	jennyjones07@icloud.com
C9NUAG	jennyjones07@icloud.com
CERXXU	jennyjones07@icloud.com
CU9ME6	jennyjones07@icloud.com
DRVJZK	jennyjones07@icloud.com

TABLE 1

Question 6 - Examination Questions	
WebCode	Response
F2B8MH	jennyjones07@icloud.com
FTHYZ7	jennyjones07@icloud.com
GHGNF3	Jennyjones07@icloud.com
GKJRYC	jennyjones07@icloud.com
GUTYYL	jennyjones07@icloud.com
H2PBFZ	jennyjones07@icloud.com
H73ZV4	jennyjones07@icloud.com
HBE79N	Jennyjones07@icloud.com
HU3P3M	jennyjones07@icloud.com
HYJXNZ	jennyjones07@icloud.com
K46L2A	jennyjones07@icloud.com
KM3MDF	jennyjones07@icloud.com
LJVR8H	jennyjones07@icloud.com
LMXR8E	jennyjones07@icloud.com
MBFPZ8	jennyjones07@icloud.com
MG66PE	jennyjones07@icloud.com
MGL48H	jennyjones07@icloud.com
NZX87F	jennyjones07@icloud.com
P2L2HA	jennyjones07@icloud.com
P2ZPGG	jennyjones07@icloud.com
Q924ZW	jennyjones07@icloud.com
QUYVY9	jennyjones07@icloud.com
R443E9	jennyjones07@icloud.com
RWH8D4	jennyjones07@icloud.com
T8WLTC	jennyjones07@icloud.com
TBDTEQ	jennyjones07@icloud.com
TU8NRD	jennyjones07@icloud.com
UECLQZ	jennyjones07@icloud.com
ULAGJR	Jennyjones07@icloud.com
UR2LG3	jennyjones07@icloud.com
UZBTEQ	jennyjones07@icloud.com
VTAXY4	jennyjones07@icloud.com
VZ6X9Q	jennyjones07@icloud.com



TABLE 1

Question 6 - Examination Questions	
WebCode	Response
WAQJVZ	jennyjones07@icloud.com
WDUCPY	jennyjones07@icloud.com
X3MWG6	jennyjones07@icloud.com
YAXTC4	jennyjones07@icloud.com
YG3J2M	jennyjones07@icloud.com
YHYU2W	The AppleID associated with this phone is: jennyjones07@icloud.com
Z3EWAZ	jennyjones07@icloud.com
ZHVRPW	Jennyjones07@icloud.com
ZJQBQX	Apple ID: jennyjones07@icloud.com

Question 6: Provide the AppleID associated with this phone.

**Consensus Result:** jennyjones07@icloud.com

**Expected Response Explanation:**

Account information is stored in /private/var/mobile/Library/Accounts/Accounts3.sqlite.

**Expected Response Illustration:**

Accounts3.sqlite

ZLASTCR...	ZACCOUNTDESCRIPTION	ZUSERNAME	ZAUTH...	ZCREDE...	ZIDENTIFIER
3234334284E8		jennyjones07@icloud.com	parent		4A1BFFB9-E9F3-
323463867E8	iCloud	jennyjones07@icloud.com	parent		18BF0575-1823-
324089934E8		jennyjones07@icloud.com			CD522876-07C3-
3234615337E8		jennyjones07@icloud.com			EFFDA01C-D40C-
3234572295E8		jennyjones07@icloud.com			7DAAEBBF-2BF1-
3240895284E8		jennyjones07@icloud.com			31872D6F-0C93-
3234408808E8			parent		38270120-2BC2-
3234480085E8			parent		054C9E1C-381E-

TABLE 1

## Question 7 - Examination Questions

**Question 7: What is the time zone setting for this phone? Provide your response in the following format: Country/City.**

**Manufacturer's** America/New\_York and variations representing the same information

**Expected Response:**

WebCode	Response
2AWPX6	America/New_York
2KBJBJ	America/New York
32HXAT	America/New_York
34LVJZ	America/New York
3CD7TV	America/New_York
3KRXJT	America/New York
3WM4CR	America/New York
4RLKNX	America/New York
6NJ3N9	United States / New York
6WYMAU	America/ New York
6ZW4MN	America/New_York
6ZXX7U	America/New York
767LJV	America/New York
79N3AE	America/New_York
7DJNFX	America/NewYork
7Q4CDZ	America/New York
8LTJXV	New_York (America) (UTC-05:00)
8TPDVU	America/New_York
9KBRMP	America/New York
ANAMKJ	America/New York
AR6EQU	America/New_York
BCDUU8	America/New York
BCR32M	America/New York
BFT9FT	America/New_York
BGL2BB	United States of America/New York
BQABJ6	America/New York
C9NUAG	America/New York
CERXXU	America/New_York
CU9ME6	America/New York

TABLE 1

Question 7 - Examination Questions	
WebCode	Response
DRVJZK	America/New York
F2B8MH	America/New_York
FTHYZ7	America/ New York
GHGNF3	America/NewYork
GKJRYC	America/New York
GUTYYL	United States/New York
H2PBFZ	America/New_York
H73ZV4	America/New York
HBE79N	(UTC-05:00) NY America
HU3P3M	America / New York
HYJXNZ	America/New_York
K46L2A	America/New York
KM3MDF	New_York (America)
LJVR8H	America/New_York
LMXR8E	America/New York
MBFPZ8	America/New_York
MG66PE	America/New York
MGL48H	America/New_York
NZX87F	America/New_York
P2L2HA	America/New York
P2ZPGG	America/New York
Q924ZW	America/New_York
QUYVY9	America/New York
R443E9	America/ New York
RWH8D4	America/New_York
T8WLTC	America/New York
TBDTEQ	America / New York
TU8NRD	America/New_York
UECLQZ	America/New York
ULAGJR	America / New York (UTC-4)
UR2LG3	America/New York
UZBTEQ	America / New York
VTAXY4	America/New York

TABLE 1

Question 7 - Examination Questions	
WebCode	Response
VZ6X9Q	America/New York
WAQJVZ	America/New_York
WDUCPY	(America)/ New_York
X3MWG6	America/New_York
YAXTC4	America/New York
YG3J2M	America / New York
YHYU2W	The time zone setting is: America/New York
Z3EWAZ	America/New_York
ZHVRPW	America/New York
ZJQBQX	United States of America/New York

**Question 7:** What is the time zone setting for this phone? Provide your response in the following format: Country/City.

**Consensus Result:** America/New\_York and variations representing the same information

**Expected Response Explanation:**

Time zone setting information is stored in /private/var/mobile/Library/Preferences/com.apple.AppStore.plist.

**Expected Response Illustration:**

com.apple.AppStore.plist

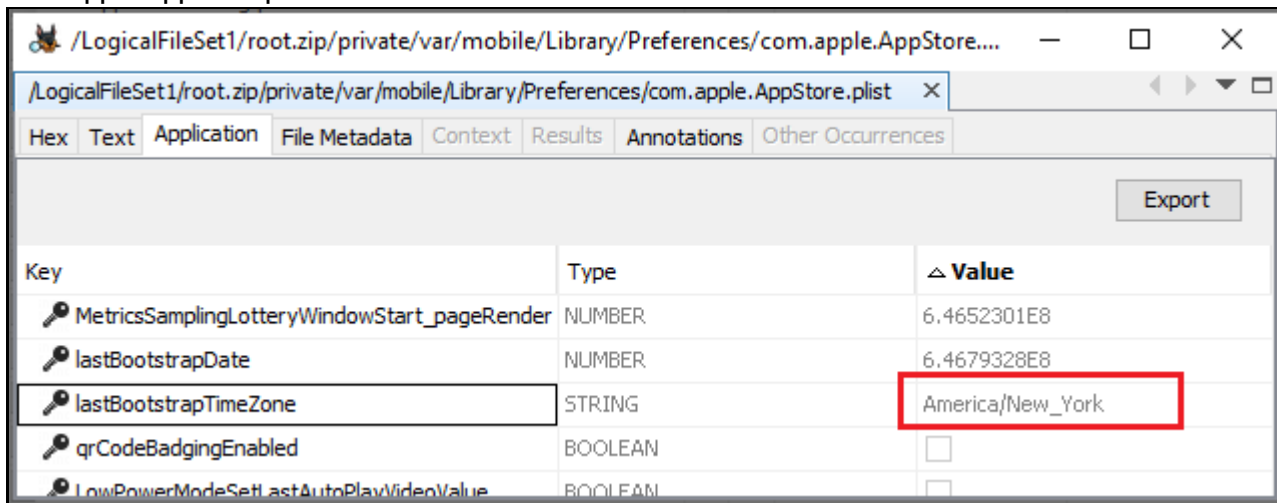


TABLE 1

## Question 8 - Examination Questions

Question 8: What is the SSID of the Wi-Fi access point with BSSID BC:9B:68:A2:0F:67?

Manufacturer's xfinitywifi

Expected Response:

WebCode	Response
2AWPX6	xfinitywifi
2KBJBJ	xfinitywifi
32HXAT	xfinitywifi
34LVJZ	xfinitywifi
3CD7TV	xfinitywifi
3KRXJT	xfinitywifi
3WM4CR	xfinitywifi
4RLKNX	xfinitywifi
6NJ3N9	xfinitywifi
6WYMAU	xfinitywifi
6ZW4MN	xfinitywifi
6ZXX7U	xfinitywifi
767LJV	xfinitywifi
79N3AE	xfinitywifi
7DJNFX	xfinitywifi
7Q4CDZ	xfinity wifi
8LTJXV	xfinitywifi
8TPDVU	xfinitywifi
9KBRMP	xfinitywifi
ANAMKJ	xfinitywifi
AR6EQU	xfinitywifi
BCDUU8	Xfinitywifi
BCR32M	Xfinitywifi
BFT9FT	Xfinitywifi
BGL2BB	xfinitywifi
BQABJ6	xfinitiwifi
C9NUAG	xfinitywifi
CERXXU	xfinitywifi
CU9ME6	xfinitywifi
DRVJZK	xfinitywifi

TABLE 1

Question 8 - Examination Questions	
WebCode	Response
F2B8MH	xfinitywifi
FTHZ7	xfinitywifi
GHGNF3	Xfinitywifi
GKJRYC	xfinitywifi
GUTYYL	xfinitywifi
H2PBFZ	xfinitywifi
H73ZV4	xfinitywifi
HBE79N	xfinitywifi
HU3P3M	xfinitywifi
HYJXNZ	Could not found.
K46L2A	xfinitywifi
KM3MDF	xfinitywifi
LJVR8H	Xfinitywifi
LMXR8E	xfinitywifi
MBFPZ8	xfinitywifi
MG66PE	xfinitywifi
MGL48H	xfinitywifi
NZX87F	xfinitywifi
P2L2HA	xfinitywifi
P2ZPGG	Xfinitywifi
Q924ZW	xfinitywifi
QUYVY9	xfinitywifi
R443E9	xfinitywifi
RWH8D4	xfinitywifi
T8WLTC	xfinitywifi
TBDTEQ	xfinitywifi
TU8NRD	xfinitywifi
UECLQZ	xfinitywifi
ULAGJR	XFINITYWIFI
UR2LG3	xfinitywifi
UZBTEQ	xfinitywifi
VTAXY4	Xfinitywifi
VZ6X9Q	xfinitywifi

TABLE 1

Question 8 - Examination Questions	
WebCode	Response
WAQJVZ	xfinitywifi
WDUCPY	BC:9B:68:A2:0F:67
X3MWG6	xfinitywifi
YAXTC4	xfinitywifi
YG3J2M	xfinitywifi
YHYU2W	The SSID of the Wi-Fi access point with BSSID BC:9B:68:A2:0F:67 is: xfinitywifi
Z3EWAZ	xfinitywifi
ZHVRPW	xfinitywifi
ZJQBQX	xfinitywifi

Question 8: What is the SSID of the Wi-Fi access point with BSSID BC:9B:68:A2:0F:67?

**Consensus Result:** xfinitywifi

**Expected Response Explanation:**

Information about detected Wi-Fi access points is stored in /private/var/preferences/SystemConfiguration/com.apple.wifi.plist.

**Expected Response Illustration:**

Autopsy view of com.apple.wifi.plist

The screenshot shows the Autopsy interface for the file `/LogicalFileSet1/root.zip/private/var/preferences/SystemConfiguration/com.apple.wifi.plist`. The 'Application' tab is active, displaying a table of keys and values:

Key	Type	Value
RATES	ARRAY	
BEACON_PROBE_INFO_PER_BSSID_LIST	ARRAY	
networkKnownBSSListKey	ARRAY	
BSSID	STRING	bc:9b:68:a2:f:67
lastRoamed	DATE	Wed Jun 30 21:08:23 EDT 2021
CHANNEL	NUMBER	157
CHANNEL_FLAGS	NUMBER	1040
SCAN_RESULT_FROM_PROBE_RSP	BOOLEAN	<input type="checkbox"/>
SSID	DATA	Binary Data value not shown
SSID_STR	STRING	xfinitywifi
SCAN_BSSID_LIST	ARRAY	
WiFiNetworkIsAutoJoined	BOOLEAN	<input type="checkbox"/>

TABLE 1

**Question 8 - Examination Questions**

Cellebrite Wireless Networks table

Wireless Networks (11) ×			
▼	BSSID	▼ ↓ SSId	▼ Security
		xfinitywifi	
	CA:63:FC:20:40:41	xfinitywifi	
	BC:9B:68:A2:0F:67	xfinitywifi	
	30:5a:3a:c3:2e:e1	Skynet	



TABLE 1

## Question 9 - Examination Questions

Question 9: What is the device name for the (connected) device with MAC address 00:11:67:CA:73:F3?

Manufacturer's PH-BT1000

Expected Response:

WebCode	Response
2AWPX6	PH-BT1000
2KBJBJ	PH-BT1000
32HXAT	PH-BT1000
34LVJZ	PH-BT1000
3CD7TV	PH-BT1000
3KRXJT	PH-BT1000
3WM4CR	PH-BT1000
4RLKNX	PH-BT1000
6NJ3N9	PH-BT1000
6WYMAU	PH-BT1000
6ZW4MN	PH-BT1000
6ZXX7U	PH-BT1000
767LJV	PH-BT1000
79N3AE	PH-BT1000
7DJNFX	PH-BT1000
7Q4CDZ	PH-BT1000
8LTJXV	PH-BT1000
8TPDVU	PH-BT1000
9KBRMP	PH-BT1000
ANAMKJ	PH-BT1000
AR6EQU	PH-BT1000
BCDUU8	PH-BT1000
BCR32M	PH-BT1000
BFT9FT	PH-BT1000
BGL2BB	PH-BT1000
BQABJ6	PH-BT1000
C9NUAG	PH-BT1000
CERXXU	PH-BT1000
CU9ME6	PH-BT1000
DRVJZK	PH-BT1000

TABLE 1

Question 9 - Examination Questions	
WebCode	Response
F2B8MH	PH-BT1000
FTHYZ7	PH-BT1000
GHGNF3	PH-BT1000
GKJRYC	PH-BT1000
GUTYYL	PH-BT1000
H2PBFZ	PH-BT1000
H73ZV4	PH-BT1000
HBE79N	PH-BT1000
HU3P3M	PH-BT1000
HYJXNZ	PH-BT1000
K46L2A	PH-BT1000
KM3MDF	PH-BT1000
LJVR8H	PH-BT1000
LMXR8E	PH-BT1000
MBFPZ8	PH-BT1000
MG66PE	PH-BT1000
MGL48H	PH-BT1000
NZX87F	PH-BT1000
P2L2HA	PH-BT1000
P2ZPGG	PH-BT1000
Q924ZW	PH-BT1000
QUYVY9	PH-BT1000
R443E9	PH-BT1000
RWH8D4	PH-BT1000
T8WLTC	PH-BT1000
TBDTEQ	PH-BT1000
TU8NRD	PH-BT1000
UECLQZ	PH-BT1000
ULAGJR	PH-BT1000
UR2LG3	PH-BT1000
UZBTEQ	PH-BT1000
VTAXY4	PH-BT1000
VZ6X9Q	PH-BT1000

TABLE 1

Question 9 - Examination Questions	
WebCode	Response
WAQJVZ	PH-BT1000
WDUCPY	PH-BT1000
X3MWG6	PH-BT1000
YAXTC4	PH-BT1000
YG3J2M	PH-BT1000
YHYU2W	The device name for the (connected) device with MAC address 00:11:67:CA:73:F3 is: PH-BT1000
Z3EWAZ	PH-BT1000
ZHVRPW	PH-BT1000
ZJQBQX	PH-BT1000

Question 9: What is the device name for the (connected) device with MAC address 00:11:67:CA:73:F3?

**Consensus Result:** PH-BT1000

**Expected Response Explanation:**

The MAC address "00:11:67:CA:73:F3" corresponds with a paired Bluetooth device recorded in /private/var/containers/Shared/SystemGroup/DE5BB75B-2CDF-4294-850E-0A20831B53A3/Library/Preferences/com.apple.MobileBluetooth.devices.plist.

**Expected Response Illustration:**

com.apple.MobileBluetooth.devices.plist

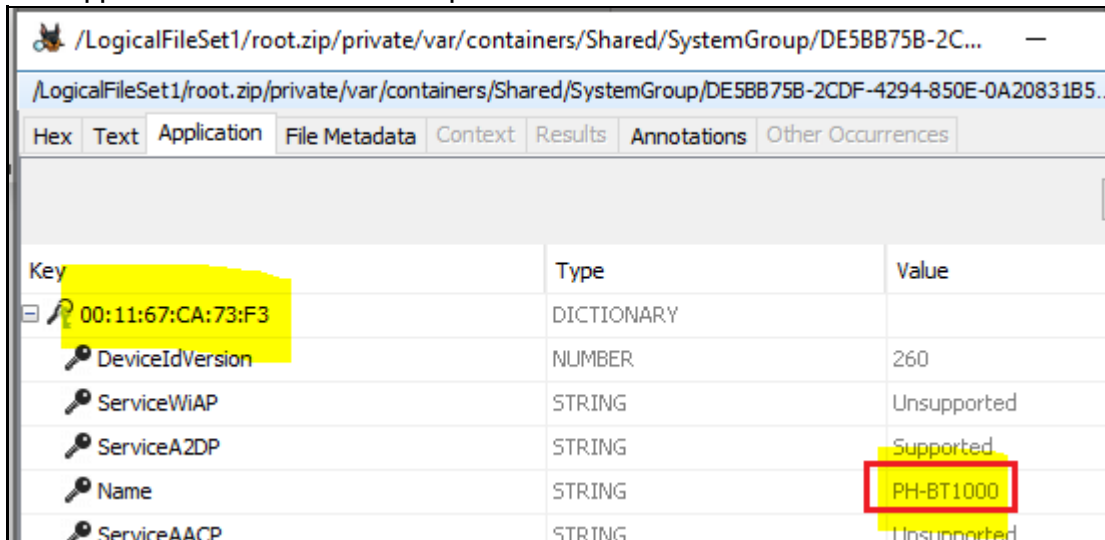


TABLE 1

## Question 10 - Examination Questions

Question 10: What (non-Apple) email app did the user install?

Manufacturer's Gmail

Expected Response:

WebCode	Response
2AWPX6	Gmail
2KBJBJ	Gmail
32HXAT	Gmail
34LVJZ	Gmail
3CD7TV	Google Mail
3KRXJT	Gmail App
3WM4CR	gmail
4RLKNX	Gmail
6NJ3N9	Gmail
6WYMAU	Gmail
6ZW4MN	Gmail
6ZXX7U	Gmail
767LJV	Gmail or Gmail – Email by Google
79N3AE	Gmail
7DJNFX	Gmail
7Q4CDZ	Gmail
8LTJXV	Gmail app
8TPDVU	Gmail - Email by Google version 6.0.210530
9KBRMP	Gmail
ANAMKJ	Gmail - Email by Google 6.0.210530
AR6EQU	Gmail
BCDUU8	Gmail
BCR32M	Gmail – Email by Google
BFT9FT	Gmail
BGL2BB	Gmail
BQABJ6	Gmail
C9NUAG	Gmail - Email by Google
CERXXU	Gmail
CU9ME6	Gmail
DRVJZK	Gmail

TABLE 1

Question 10 - Examination Questions	
WebCode	Response
F2B8MH	Gmail - Email by Google
FTHYZ7	Gmail
GHGNF3	Gmail
GKJRYC	Google Gmail
GUTYYL	Gmail
H2PBFZ	Gmail
H73ZV4	Gmail
HBE79N	Gmail
HU3P3M	Gmail
HYJXNZ	gmail
K46L2A	Gmail
KM3MDF	Gmail
LJVR8H	Gmail
LMXR8E	Gmail
MBFPZ8	Gmail
MG66PE	Gmail
MGL48H	Gmail - Email by Google
NZX87F	Gmail
P2L2HA	gmail
P2ZPGG	Gmail
Q924ZW	Gmail
QUYVY9	Gmail
R443E9	gmail
RWH8D4	Gmail
T8WLTC	Gmail
TBDTEQ	Gmail
TU8NRD	Gmail
UECLQZ	Gmail
ULAGJR	Google Mail (Gmail)
UR2LG3	Gmail
UZBTEQ	Google Mail
VTAXY4	Gmail
VZ6X9Q	Gmail - Email by Google

TABLE 1

Question 10 - Examination Questions	
WebCode	Response
WAQJVZ	Gmail
WDUCPY	Gmail
X3MWG6	Gmail
YAXTC4	com.google.Gmail
YG3J2M	Gmail
YHYU2W	The non-Apple email app the user installed was: Gmail App
Z3EWAZ	Gmail
ZHVRPW	Gmail
ZJQBQX	Gmail - Email by Google

Question 10: What (non-Apple) email app did the user install?

**Consensus Result:** Gmail

**Expected Response Explanation:**

A review of installed applications for mail apps shows only one non-apple email app, Gmail.

**Expected Response Illustration:**

Cellebrite Installed Applications table

Installed Applications (607) ×						
Graphical timebar						
×	↶	📱	Decoded by ▾	↓ Name ▾	Version ▾	Categories
			Cellebrite	Gmail - Email by Google	6.0.210530	📁 Utilities
			Cellebrite	Emails		📁 Utilities

TABLE 1

Question 11 - Examination Questions	
-------------------------------------	--

Question 11: What email address was associated with the user-installed (non-Apple) email app referenced in question 10?

Manufacturer's          jjones2000me@gmail.com

Expected Response:

WebCode	Response
2AWPX6	jjones2000me@gmail.com
2KBJBJ	jjones2000me@gmail.com
32HXAT	jjones2000me@gmail.com
34LVJZ	jjones2000me@gmail.com
3CD7TV	jjones2000me@gmail.com
3KRXJT	jjones2000me@gmail.com
3WM4CR	jjones2000me@gmail.com
4RLKNX	jjones2000me@gmail.com
6NJ3N9	jjones2000me@gmail.com
6WYMAU	jjones2000me@gmail.com
6ZW4MN	Jjones2000me@gmail.com
6ZXX7U	jjones2000me@gmail.com
767LJV	jjones2000me@gmail.com
79N3AE	jjones2000me@gmail.com
7DJNFX	jjones2000me@gmail.com
7Q4CDZ	jjones2000me@gmail.com
8LTJXV	jjones2000me@gmail.com
8TPDVU	jjones2000me@gmail.com
9KBRMP	jjones2000me@gmail.com
ANAMKJ	jjones2000me@gmail.com
AR6EQU	jjones2000me@gmail.com
BCDUU8	Jjones2000me@gmail.com
BCR32M	jjones2000me@gmail.com
BFT9FT	jjones2000me@gmail.com
BGL2BB	jjones2000me@gmail.com
BQABJ6	jjones2000me@gmail.com
C9NUAG	jjones2000me@gmail.com
CERXXU	jjones2000me@gmail.com
CU9ME6	jjones2000me@gmail.com

TABLE 1

Question 11 - Examination Questions	
WebCode	Response
DRVJZK	jjones2000me@gmail.com
F2B8MH	jjones2000me@gmail.com
FTHYZ7	jjones2000me@gmail.com
GHGNF3	Jjones2000me@gmail.com
GKJRYC	jjones2000me@gmail.com
GUTYYL	jjones2000me@gmail.com
H2PBFZ	jjones2000me@gmail.com
H73ZV4	jjones200me@gmail.com
HBE79N	jjones2000me@gmail.com
HU3P3M	jjones2000me@gmail.com
HYJXNZ	jjones2000me@gmail.com
K46L2A	jjones2000me@gmail.com
KM3MDF	jjones2000me@gmail.com
LJVR8H	jjones2000me@gmail.com
LMXR8E	jjones2000me@gmail.com
MBFPZ8	jjones2000me@gmail.com
MG66PE	jjones2000me@gmail.com
MGL48H	jjones2000me@gmail.com
NZX87F	jjones2000me@gmail.com
P2L2HA	jjones2000me@gmail.com
P2ZPGG	jjones2000me@gmail.com
Q924ZW	jjones2000me@gmail.com
QUVY9	jjones2000me@gmail.com
R443E9	jjones2000me@gmail.com
RWH8D4	jjones2000me@gmail.com
T8WLTC	jjones2000me@gmail.com
TBDTEQ	jjones2000me@gmail.com
TU8NRD	jjones2000me@gmail.com
UECLQZ	jjones2000me@gmail.com
ULAGJR	jjones2000me@gmail.com
UR2LG3	jjones2000me@gmail.com
UZBTEQ	jjones2000me@gmail.com
VTAXY4	jjones2000me@gmail.com



TABLE 1

Question 11 - Examination Questions	
WebCode	Response
VZ6X9Q	jjones2000me@gmail.com
WAQJVZ	jjones2000me@gmail.com
WDUCPY	jjones2000me@gmail.com
X3MWG6	jjones2000me@gmail.com
YAXTC4	jjones2000me@gmail.com
YG3J2M	jjones2000me@gmail.com
YHYU2W	The email address associated was: jjones2000me@gmail.com
Z3EWAZ	jjones2000me@gmail.com
ZHVRPW	jjones2000me@gmail.com
ZJQBQX	jjones2000me@gmail.com

**Question 11:** What email address was associated with the user-installed (non-Apple) email app referenced in question 10?

**Consensus Result:** jjones2000me@gmail.com

**Expected Response Explanation:**

Gmail app data is stored in /private/var/mobile/Containers/Data/Application/4A2AA71B-9D74-45CA-A8EE-7DC703A04DFA/Library/Application Support/data/. The only email address listed to be associated with the user-installed email app is jjones2000me@gmail.com.

**Expected Response Illustration:**

jjones2000me@gmail.com

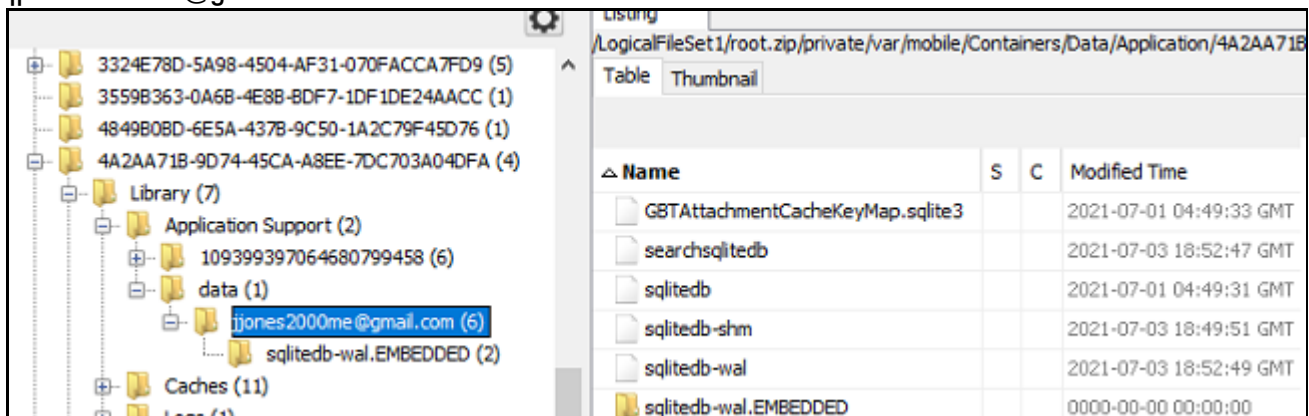


TABLE 1

### Question 12 - Examination Questions

**Question 12:** For the email account referenced in questions 10-11, on what date and time did the device user email themselves? Provide the answer in the following format: MM/DD/YYYY HH:MM:SS AM/PM(UTC+0)

**Manufacturer's** 07/01/2021 12:54:01 AM(UTC+0) and all formatting styles including different time zones  
**Expected Response:** which represent the same information.

WebCode	Response
2AWPX6	07/01/2021 12:53:56 AM(UTC+0)
2KBJBJ	07/01/2021 00:53:56 (UTC+0) XAMN – This appears to be the outgoing Apple Mail record 07/01/2021 00:54:01 (UTC+0) PA – This appears to be the Incoming Gmail record The question is ambiguous and the answer could be either of these but I would go for 07/01/2021 00:53:56 (UTC+0)
32HXAT	07/01/2021 12:53:56 AM(UTC+0)
34LVJZ	07/01/2021 12:54:01 AM
3CD7TV	07/01/2021 12:54:01 AM(UTC+0)
3KRXJT	07/01/2021 12:53:56 AM(UTC+0)
3WM4CR	06/30/2021 08:53:56 PM (UTC -4)
4RLKNX	7/1/2021 12:53:56 AM(UTC+0)
6NJ3N9	07/01/2021 12:53:56 AM (UTC+0)
6WYMAU	07/01/2021 12:54:01 AM (UTC -0).
6ZW4MN	6/30/2021 8:54:01 pm (UTC - 4)
6ZXX7U	06/30/2021 08:53:56 PM (UTC-4) and adjusted for UTC is 07/01/2021 12:53:56 AM (UTC+0)
767LJV	07/01/2021 12:53:56 AM(UTC +0)
79N3AE	07/01/2021 00:54:01 AM (UTC+0)
7DJNFX	07/01/2021 00:54:01 AM (UTC+0)
7Q4CDZ	07/01/2021 00:54:01 A< (UTC+0)
8LTJXV	6/30/2021. 00:54:01
8TPDVU	07/01/2021 00:53:56 AM (UTC+0)
9KBRMP	7/1/2021 12:53 AM
ANAMKJ	07/01/2021 12:54:01 AM(UTC+0)
AR6EQU	07/01/2021 12:54:01 AM(UTC+0)
BCDUU8	06/30/2021 8:53:56 PM (UTC-4) This was the email that was sent from the icloud email address to the gmail email address (referenced above).
BCR32M	6/30/2021 8:53:56 PM(UTC-4)
BFT9FT	06/30/2021 07:54:01 PM(UTC-5)
BGL2BB	07/01/2021 12:53:56 AM(UTC+0)
BQABJ6	07/01/2021 12:54:01 AM (UTC+0)

TABLE 1

Question 12 - Examination Questions	
WebCode	Response
C9NUAG	07/01/2021 00:54:01 AM
CERXXU	07/01/2021 12:54:01 AM (UTC+0)
CU9ME6	07/01/2021 00:53:56 AM (UTC+0)
DRVJZK	7/1/2021 12:54:01 AM(UTC+0)
F2B8MH	6/30/2021 12:53:56 PM(UTC+0)
FTHYZ7	07/01/2021 00:54:01 AM
GHGNF3	6/30/2021 08:54:01 PM (UTC-4)(delivered/unread) and 6/30/2021 08:53:56 PM (UTC -4)(sent)
GKJRYC	07/01/2021 12:53:56 AM(UTC+0)
GUTYYL	07/01/2021 12:54:01 AM
H2PBFZ	07/01/2021 12:53:56 AM(UTC+0)
H73ZV4	06/30/2021 08:54:01 PM(UTC-4)
HBE79N	06/30/2021 20:54:01 (UTC-4)
HU3P3M	07/01/2021 12:53:56 AM(UTC+0) was when the email was sent, however, the email was received into the account at 07/01/2021 12:54:01 AM(UTC+0)
HYJXNZ	Wed, 30 Jun 2021 20:53:56 -0400
K46L2A	07/01/2021 12:54:01 AM (UTC+0)
KM3MDF	07/01/2021 00:54:01 AM(UTC+0)
LJVR8H	06/30/2021 07:54:01 PM(UTC-5)
LMXR8E	07/01/2021 12:53:56 AM(UTC+0)
MBFPZ8	7/1/2021 12:53:56 AM
MG66PE	07/01/2021 12:54:01 AM (UTC+0)
MGL48H	07/01/2021 12:54:01 AM(UTC+0)
NZX87F	6/30/2021 7:54:01 PM(UTC-5)
P2L2HA	06/31/2021 12:53:56 AM
P2ZPGG	07/01/2021 01:53:56(UTC+1)
Q924ZW	07/01/2021 00:54:01 (UTC + 0)
QUVY9	The device user sends the mail by the account jennyjones07@icloud.com at 07/01/2021 12:53:56 AM(UTC+0). Then receiving the mail by the account jjones2000me@gmail.com at 07/01/2021 12:54:01 AM(UTC+0).
R443E9	6/30/2021 8:54:01 PM(UTC-4)
RWH8D4	07/01/2021 12:53:56 AM (UTC+0)
T8WLTC	07/01/2021 12:54 AM (UTC+0)
TBDTEQ	06/30/2021 20:54:01 PM (UTC-4)
TU8NRD	07/01/2021 00:54:01 AM

TABLE 1

Question 12 - Examination Questions	
WebCode	Response
UECLQZ	07/01/2021 00:54:01 PM(UTC +0)
ULAGJR	07/01/2021 00:54:01 AM (UTC+0)
UR2LG3	7/1/2021 12:54:01 AM(UTC+0)
UZBTEQ	07/01/2021 00:53:56 AM (UTC+0)
VTAXY4	07/01/2021 12:53:56 AM
VZ6X9Q	06/30/2021 20:54:01 PM (UTC-4)
WAQJVZ	07/01/2021 12:54:01 AM(UTC+0)
WDUCPY	7/1/2021 12:53:56 AM(UTC+0)
X3MWG6	07/01/2021 00:54:01 AM(UTC+0)
YAXTC4	07/01/2021 12:54:01 AM(UTC+0)
YG3J2M	07/01/2021 00:54:01 AM (UTC+0)
YHYU2W	07/1/2021 12:54:01 PM(UTC+0)
Z3EWAZ	07/01/2021 12:54:01 AM
ZHVRPW	07/01/2021 12:53:56 AM
ZJQBQX	07/01/2021 12:54:01 AM(UTC+0)

**Question 12:** For the email account referenced in questions 10-11, on what date and time did the device user email themselves? Provide the answer in the following format: MM/DD/YYYY HH:MM:SS AM/PM(UTC+0)

**Consensus Result:** 07/01/2021 12:54:01 AM(UTC+0) and all formatting styles including different time zones which represent the same information.

**Expected Response Explanation:**

The Gmail account referenced in questions 10-11 contains only one message from the user with the subject "Note to Self".

TABLE 1

**Question 12 - Examination Questions**

Expected Response Illustration:  
 Cellebrite email message view

The screenshot displays an email interface with the following details:

- Account:** jjones2000me@gmail.com
- Snippet:** (empty)
- Folder:** Inbox, Personal
- Subject:** Note to Self
- Timestamp:** 7/1/2021 12:54:01 AM(UTC+0) (highlighted with a red box)
- Priority:** (empty)
- Source:** Gmail
- Status:** Unread
- Extraction:** File System
- Source file:** [DarArchive/root/private/var/mobile/Containers/Data/Application/4A2AA71B-9D74-45CA-A8EE-7DC703A04DFA/Library/Application Support/data/jjones2000me@gmail.com/sqlitedb-wal : 0x302179 \(Table: item\\_messages\\_Size: 3345472 bytes\)](#)

**From:** jennyjones07@icloud.com Jennifer Jones

**To:** jjones2000me@gmail.com

**CC:** (empty)

**BCC:** (empty)

**Attachments:** (empty)

**Body:** HTML Text

Self,  
 Here is a note.  
 Self  
 Sent from my iPhone

TABLE 1

## Question 13 - Examination Questions

Question 13: Provide the LAST number dialed on the phone?

Manufacturer's 8002738255

Expected Response:

WebCode	Response
2AWPX6	8002738255
2KBJBJ	8002738255
32HXAT	8002738255
34LVJZ	8002738255
3CD7TV	8002738255
3KRXJT	8002738255
3WM4CR	800-273-8255
4RLKNX	800-273-8255
6NJ3N9	8002738255
6WYMAU	8002738255
6ZW4MN	800-273-8255
6ZXX7U	8002738255
767LJV	800-273-8255
79N3AE	8002738255
7DJNFX	8002738255
7Q4CDZ	There is no last number dialed within the call log list.
8LTJXV	8002738255
8TPDVU	8002738255
9KBRMP	8002738255
ANAMKJ	8002738255
AR6EQU	8002738255
BCDUU8	8002738255
BCR32M	8002738255
BFT9FT	8002738255
BGL2BB	8002738255
BQABJ6	8002738255
C9NUAG	8002738255
CERXXU	800-273-8255
CU9ME6	800-273-8255
DRVJZK	8002738255

TABLE 1

Question 13 - Examination Questions	
WebCode	Response
F2B8MH	8002738255
FTHYZ7	8002738255
GHGNF3	800-273-8255
GKJRYC	8002738255
GUTYYL	8002738255
H2PBFZ	8002738255
H73ZV4	8002738255
HBE79N	8002738255
HU3P3M	800-273-8255
HYJXNZ	8002738255
K46L2A	8002738255
KM3MDF	8002738255
LJVR8H	8002738255
LMXR8E	800-273-8255
MBFPZ8	8002738255
MG66PE	8002738255
MGL48H	8002738255
NZX87F	8002738255
P2L2HA	800-273-8255
P2ZPGG	8002738255
Q924ZW	8002738255
QUYVY9	8002738255
R443E9	8002738255
RWH8D4	8002738255
T8WLTC	8002738255
TBDTEQ	8002738255
TU8NRD	8002738255
UECLQZ	8002738255
ULAGJR	8002738255
UR2LG3	800-273-8255
UZBTEQ	8002738255
VTAXY4	800-273-8255
VZ6X9Q	8002738255

TABLE 1

Question 13 - Examination Questions	
WebCode	Response
WAQJVZ	8002738255
WDUCPY	8002738255
X3MWG6	8002738255
YAXTC4	8002738255
YG3J2M	8002738255
YHYU2W	The last number dialed was: 800-273-8255
Z3EWAZ	800 273 8255
ZHVRPW	8002738255
ZJQBQX	8002738255

**Question 13: Provide the LAST number dialed on the phone?**

**Consensus Result:** 8002738255 and other formats of the same information.

**Expected Response Explanation:**

Call history information is stored in /private/var/mobile/Library/CallHistoryDB /CallHistory.storedata. Dialed (and incoming) numbers with associated timestamps are stored in the ZCALLRECORD table in the ZADDRESS and ZDATE fields, respectively.

**Expected Response Illustration:**

ZCALLRECORD Table from CallHistory.storedata sorted descending by date

Database Structure		Browse Data		Edit Pragmas		Execute SQL	
Table: ZCALLRECOI						Filter in any	
ZORIGINATED	ZDATE <sup>▲1</sup>	ZDURATION	ZADDRESS				
Filter	Filter	Filter	Filter				
1	1 2021-07-03 14:53:47	64.3572310209274	8002738255				
2	0 2021-06-30 14:57:24	0.0	+19133823892				
3	0 2021-06-27 21:24:07	0.0	NULL				



TABLE 1

**Question 13 - Examination Questions**

**Cellebrite Call Log Table**

The screenshot shows a call log interface with the following data:

Parties	Timestamp	Duration	Status	Country code	Network c	Network Name
To: 8002738255 - 8002738255	7/3/2021 2:53:47 PM(UTC+0)	00:01:04	Answered	us		Unknown network (Unite...
From: +19133823892 - Scam Likely	6/30/2021 2:57:24 PM(UTC+0)	00:00:00	Missed	us		Unknown network (Unite...
From: Unknown	6/27/2021 9:24:07 PM(UTC+0)	00:00:00	Rejected	us		Unknown network (Unite...

TABLE 1

**Question 14 - Examination Questions**

**Question 14: From which contact did the user answer a call on 6/25/2021 11:57:19PM(UTC+0)? Provide contact name.**

Manufacturer's Cindy J

Expected Response:

WebCode	Response
2AWPX6	Cindy J
2KBJBJ	Cindy J
32HXAT	Cindy J
34LVJZ	Cindy J
3CD7TV	Cindy J
3KRXJT	Cindy J
3WM4CR	Cindy J
4RLKNX	Cindy J
6NJ3N9	Cindy J
6WYMAU	Cindy J +17174695988
6ZW4MN	Cindy J
6ZXX7U	CindyJ
767LJV	Cindy J
79N3AE	Cindy J
7DJNFX	Cindy J
7Q4CDZ	Cindy J
8LTJXV	Cindy J
8TPDVU	Cindy J
9KBRMP	Cindy J
ANAMKJ	Cindy J
AR6EQU	Cindy J
BCDUU8	Cindy J
BCR32M	Cindy J
BFT9FT	Cindy J
BGL2BB	Cindy J
BQABJ6	Cindy J
C9NUAG	Cindy J
CERXXU	Cindy J
CU9ME6	Cindy J

TABLE 1

Question 14 - Examination Questions	
WebCode	Response
DRVJZK	Cindy J
F2B8MH	Cindy J
FTHYZ7	Cindy J
GHGNF3	Cindy J
GKJRYC	Cindy J
GUTYYL	Cindy J
H2PBFZ	Cindy J
H73ZV4	Cindy J
HBE79N	Cindy J
HU3P3M	Cindy J
HYJXNZ	Cindy J
K46L2A	Cindy J
KM3MDF	Cindy J
LJVR8H	Cindy J
LMXR8E	Cindy J
MBFPZ8	Cindy J
MG66PE	Cindy J
MGL48H	Cindy J
NZX87F	Cindy J
P2L2HA	CindyJ
P2ZPGG	Cindy J
Q924ZW	Cindy J or JCindy
QUYVY9	Cindy J
R443E9	Cindy J
RWH8D4	Cindy J
T8WLTC	Cindy J
TBDTEQ	Cindy J
TU8NRD	Cindy J
UECLQZ	Cindy J
ULAGJR	Cindy J
UR2LG3	Cindy J
UZBTEQ	Cindy J
VTAXY4	Cindy J

TABLE 1

Question 14 - Examination Questions	
WebCode	Response
VZ6X9Q	Cindy J
WAQJVZ	Cindy J
WDUCPY	Cindy J
X3MWG6	Cindy J
YAXTC4	Cindy J
YG3J2M	Cindy J
YHYU2W	Cindy J
Z3EWAZ	Cindy J
ZHVRPW	Cindy J
ZJQBQX	+17174695988 Cindy J

**Question 14:** From which contact did the user answer a call on 6/25/2021 11:57:19PM(UTC+0)? Provide contact name.

**Consensus Result:** Cindy J

**Expected Response Explanation:**

Call history information is stored in /private/var/mobile/Library/CallHistoryDB /CallHistory.storedata and the associated temp (shm, wal) files. Dialed (and incoming) numbers with associated timestamps are stored in the ZCALLRECORD table in the ZADDRESS and ZDATE fields, respectively. The call received on 6/25/2021 11:57:19 PM(UTC+0) was from +17174695988.

Address Book (Contact) information is stored in private/var/mobile/Library/AddressBook/AddressBook.sqlitedb. The contact associated with +17174695988 is "Cindy J".

**Expected Response Illustration:**

**ZCALLRECORD Table from CallHistory.storedata**

Table: ZCALLRECOI				
ZORIGINATED	ZDATE ▲1	ZDURATION	ZADDRESS	
Filter	Filter	Filter	Filter	
4	1 2021-06-27 20:34:42	8.24102604389191	2125345050	
5	1 2021-06-27 20:18:29	25.7572809457779	18006842324	
6	0 2021-06-26 00:17:37	0.0	+17174695988	
7	0 2021-06-25 23:57:19	358.265063047409	+17174695988	
8	1 2021-06-25 23:56:37	42.2054079771042	2766766234	
9	0 2021-06-20 20:56:56	1182.91909694672	+17174695988	

TABLE 1

**Question 14 - Examination Questions**

ABPerson table from Addressbook.sqlite

ROWID	First	Last	Middle
1	Cindy	J	
2	Jess		
3	Trish		

ABMultiValueTable from Addressbook.sqlite

UID	record_id	property	identifier	label	value	guid
1	1	3	0		+17174695988	00F6939B-C59D-4332-9B14-0E19D280E931
2	2	3	0		+17035947989	432D0624-9A39-4850-B7FC-BEB0D182593D

Cellebrite Call Log Table

Parties	Timestamp	Duration	Status	Country code
From: +17174695988 Cindy J	6/26/2021 12:17:37 AM(UTC+...)	00:00:00	Missed	us
From: +17174695988 Cindy J	6/25/2021 11:57:19 PM(UTC+0)	00:05:58	Answered	us
To: 2766766234	6/25/2021 11:56:37 PM(UTC+0)	00:00:42	Answered	us

TABLE 1

**Question 15 - Examination Questions**

Question 15: What is the title of the Note taken (with the native notes App) at 7/3/2021 2:44:09 PM(UTC+0)?

Manufacturer's Strigidae

Expected Response:

WebCode	Response
2AWPX6	Strigidae
2KBJBJ	Strigidae
32HXAT	Strigidae
34LVJZ	Strigidae
3CD7TV	Strigidae
3KRXJT	Strigidae
3WM4CR	Strigidae
4RLKNX	Strigidae
6NJ3N9	Strigidae
6WYMAU	strigidae
6ZW4MN	Strigidae
6ZXX7U	Strigidae
767LJV	Strigidae
79N3AE	Strigidae
7DJNFX	Strigidae
7Q4CDZ	strigidae
8LTJXV	Strigidae
8TPDVU	Strigidae
9KBRMP	Strigidae
ANAMKJ	Strigidae
AR6EQU	Strigidae
BCDUU8	Strigidae
BCR32M	Strigidae
BFT9FT	Strigidae
BGL2BB	Strigidae
BQABJ6	Strigidae
C9NUAG	Strigidae
CERXXU	Strigidae
CU9ME6	Strigidae

TABLE 1

Question 15 - Examination Questions	
WebCode	Response
DRVJZK	Strigidae
F2B8MH	Strigidae
FTHYZ7	Strigidae
GHGNF3	Strigidae
GKJRYC	Strigidae
GUTYYL	Strigidae
H2PBFZ	Strigidae
H73ZV4	Strigidae
HBE79N	Strigidae
HU3P3M	Strigidae
HYJXNZ	Strigidae
K46L2A	Strigidae
KM3MDF	Strigidae
LJVR8H	Strigidae
LMXR8E	Strigidae
MBFPZ8	Strigidae
MG66PE	Strigidae
MGL48H	Strigidae
NZX87F	Strigidae
P2L2HA	Strigidae
P2ZPGG	Strigidae
Q924ZW	Strigidae
QUYVY9	Strigidae
R443E9	Strigidae
RWH8D4	Strigidae
T8WLTC	Strigidae
TBDTEQ	Strigidae
TU8NRD	Strigidae
UECLQZ	Strigidae
ULAGJR	Strigidae
UR2LG3	Strigidae
UZBTEQ	Strigidae
VTAXY4	Strigidae

TABLE 1

Question 15 - Examination Questions	
WebCode	Response
VZ6X9Q	Strigidae
WAQJVZ	Strigidae
WDUCPY	Strigidae
X3MWG6	Strigidae
YAXTC4	Strigidae
YG3J2M	Strigidae
YHYU2W	Strigidae
Z3EWAZ	Strigidae
ZHVRPW	Strigidae
ZJQBQX	Strigidae

Question 15: What is the title of the Note taken (with the native notes App) at 7/3/2021 2:44:09 PM(UTC+0)?

Consensus Result: Strigidae

**Expected Response Explanation:**

Data for the Apple Notes app is stored in /private/var/mobile/Containers/Shared/AppGroup/E23FCF29-4F89-4636-A38C-54E998CC275B/NoteStore.sqlite.

**Expected Response Illustration:**

SQLite DB Browser Query of NoteStore.SQLite database for creation date and Note titles

	ZCREATIONDATE1	ZTITLE1
1	2021-07-03 14:47:28	Pandionidae
2	2021-07-03 14:47:16	Haliaeetus
3	2021-07-03 14:46:28	Peregrinus
4	2021-07-03 14:46:02	Biarmicus
5	2021-07-03 14:44:50	Falconidae
6	2021-07-03 14:44:09	Strigidae

```

Execution finished without errors.
Result: 10 rows returned in 7ms
At line 1:
SELECT datetime('2001-01-01', "ZCREATIONDATE1" || ' seconds') AS
"ZCREATIONDATE1", "ZTITLE1" FROM "main"."ZICLOUDSYNCINGOBJECT" ORDER BY "ZCREATIONDATE1" DESC LIMIT 0, 49999;
    
```

**Cellebrite Notes Table**

	#	Creation time	Modification Time	Last Mod	Title	Body
<input checked="" type="checkbox"/>	1	7/3/2021 2:44:09 PM(UTC+0)	7/3/2021 2:44:43 PM(UTC+0)		Strigidae	Strigidae
<input checked="" type="checkbox"/>	2	7/3/2021 2:44:50 PM(UTC+0)	7/3/2021 2:45:46 PM(UTC+0)		Falconidae	Falconidae
<input checked="" type="checkbox"/>	3	7/3/2021 2:46:02 PM(UTC+0)	7/3/2021 2:46:14 PM(UTC+0)		Biarmicus	Biarmicus



TABLE 1

## Question 16 - Examination Questions

**Question 16:** The user navigated to what address using the Google Maps app on June 21, 2021. Provide full address.

**Manufacturer's** 44735 Thorndike St, Ashburn, VA 20147 and all formatting styles which represent the same  
**Expected Response:** information.

WebCode	Response
2AWPX6	44735 Thorndike St, Ashburn, VA 20147
2KBJBJ	The vicinity of Starbucks, 44729-44735 Thorndike St, Ashburn, VA 20147,
32HXAT	44735 Thorndike St, Ashburn, VA 20147
34LVJZ	44735 Thorndike St, Ashburn, VA 20147
3CD7TV	44735 Thorndike St, Ashburn, VA 20147
3KRXJT	44735 Thorndike St. Ashburn, VA 20147
3WM4CR	44735 Thorndike St, Ashburn VA 20147
4RLKNX	44735 Thorndike St, Ashburn, VA
6NJ3N9	44680 Wellfleet Dr, Ashburn, VA20147, United States
6WYMAU	44735 Thorndike St. Ashbury VA 20147, USA
6ZW4MN	44735 Thorndike St, Ashburn, VA 20147
6ZXX7U	44735 Thorndike St, Ashburn, Virginia 20147
767LJV	44735 Thorndike St, Ashburn, VA 20147
79N3AE	44735 Thorndike St, Ashburn, VA 20147
7DJNFX	horndike St, Ashburn, VA 20147
7Q4CDZ	Russell Branch Parkway, One Loudoun, Ashburn, VA 20417, USA
8LTJXV	44729-44735 Thorndike St, Ashburn, VA 20147, USA
8TPDVU	44735 Thorndike Street, Ashburn, Virginia 20147
9KBRMP	44735 Thorndike St. Ashburn, VA 20147
ANAMKJ	44735 Thorndike St, Ashburn, VA 20147
AR6EQU	44735 Thorndike St, Ashburn, VA 20147
BCDUU8	44735 Thorndike St, Ashburn, VA 20147
BCR32M	44735 Thorndike St, Ashburn, VA 20147
BFT9FT	44735 Thorndike St, Ashburn, VA 20147
BGL2BB	Starbucks, 44735 Thorndike St, Ashburn, VA 20147
BQABJ6	44735 Thorndike St, Ashburn, VA 20147
C9NUAG	44735 Thorndike St, Ashburn, VA 20147
CERXXU	Starbucks, 44735 Thorndike St, Ashburn, VA 20147
CU9ME6	44735 Thorndike St. Ashburn, VA 20147 (Starbucks)

TABLE 1

Question 16 - Examination Questions	
WebCode	Response
DRVJZK	44735 Thorndike St, Ashburn, VA 20147
F2B8MH	44735 Thorndike St. Ashburn, VA 20147 (39.052217, -77.452598)
FTHYZ7	Starbucks, 44735 Thorndike St, Ashburn, VA 20147
GHGXF3	44735 Thorndike St, Ashburn, VA, 20147
GKJRYC	44735 Thorndike St, Ashburn, VA 20147
GUTYYL	44735 Thorndike St, Ashburn, VA 20147
H2PBFZ	44735 Thorndike St, Ashburn, VA 20147
H73ZV4	Starbucks, 44735 Thorndike Street, Ashburn, VA 20147
HBE79N	44735 Thorndike Street, Ashburn, VA 20147, USA
HU3P3M	44735 Thorndike St, Ashburn, VA 20147 A timeline search reveals substantial information that reveals the user going to Starbucks located at the address. Although no search strings were found, the user could have located the store within the Starbucks app and transition to Google Maps for the navigation. The address was found in the image of the phone and the geo location of the longitude and latitude is near the address. This was found after the directional commands from that date. The next question is also a good indication of the address the user was being navigated to as the timestamp also correlates with the user's actions on that date.
HYJXNZ	Ashburn, VA 20147, USA
K46L2A	44735 Thorndike St, Ashburn, VA 20147
KM3MDF	44735 Thorndike St. Ashburn VA 20147
LJVR8H	44735 Thorndike St, Ashburn, VA 20147
LMXR8E	44735 Thorndike St, Ashburn, VA 20147
MBFPZ8	44735 Thorndike St, Ashburn, VA 20147
MG66PE	44735 Thorndike St, Ashburn, VA 20147
MGL48H	44735 Thorndike St, Ashburn, VA 20147
NZX87F	44735 Thorndike St, Ashburn, VA 20147
P2L2HA	44715 Brimfield Dr. Ashburn, VA
P2ZPGG	Starbucks, 44735 Thorndike street, Ashburn, VA 20147
Q924ZW	Starbucks, 44735 Thorndike St, Ashburn, VA 20147 (39.0511739,-77.4535461)
QUYVY9	44735 Thorndike St, Ashburn, VA 20147
R443E9	44735 Thorndike St, Ashburn, VA 20147
RWH8D4	44735 Thorndike St. Ashburn, VA 20147
T8WLTC	44735 Thorndike St, Ashburn, VA 20147
TBDTEQ	Starbucks Thorndike St, Ashburn VA 20147, USA
TU8NRD	44729-44735 Thorndike St, Ashburn, VA 20147, United States
UECLQZ	44729-44735 Thorndike St, Ashburn, VA 20147, USA

TABLE 1

Question 16 - Examination Questions	
WebCode	Response
ULAGJR	Starbucks, 44735 Thorndike Street Ashburn, VA 21047
UR2LG3	44735 Thorndike St, Ashburn, VA 20147
UZBTEQ	Starbucks, 44735 Thorndike St, Ashburn, VA 20147
VTAXY4	44735 Thorndike St, Ashburn, VA 20147
VZ6X9Q	44729-44735 Thorndike St, Ashburn, VA 20147, USA
WAQJVZ	44735 Thorndike St, Ashburn, VA 20147
WDUCPY	44735 Thorndike St, Ashburn, VA 20147
X3MWG6	Starbucks, 44735 Thorndike St, Ashburn, VA 20147
YAXTC4	44735 Thorndike St, Ashburn, VA 20147
YG3J2M	12300 Iona Sound Dr, Bristow, VA 20136
YHYU2W	44735 Thorndike St, Ashburn, VA 20147
Z3EWAZ	44735 Thorndike St, Ashburn, VA 20147
ZHVRPW	44735 Thorndike St, Ashburn VA 20147
ZJQBQX	44735 Thorndike St, Ashburn, VA 20147, United States

**Question 16:** The user navigated to what address using the Google Maps app on June 21, 2021. Provide full address.

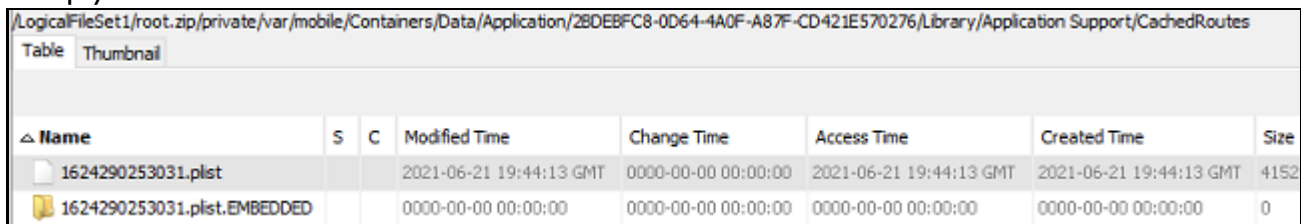
**Consensus Result:** 44735 Thorndike St, Ashburn, VA 20147 and all formatting styles which represent the same information.

**Expected Response Explanation:**

Cached routes for previous navigations are stored in /private/var/mobile/Containers/Data/Application/2BDEBFC8-0D64-4A0F-A87F-CD421E570276/Library/Application Support/CachedRoutes.

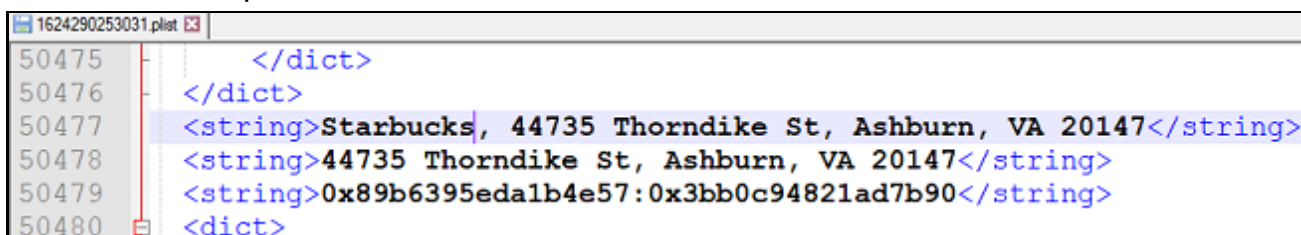
**Expected Response Illustration:**

**Autopsy view of cached routes**



Name	S	C	Modified Time	Change Time	Access Time	Created Time	Size
1624290253031.plist			2021-06-21 19:44:13 GMT	0000-00-00 00:00:00	2021-06-21 19:44:13 GMT	2021-06-21 19:44:13 GMT	4152
1624290253031.plist.EMBEDDED			0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0

**1624290253031.plist**



```

50475 |         </dict>
50476 |     </dict>
50477 |     <string>Starbucks, 44735 Thorndike St, Ashburn, VA 20147</string>
50478 |     <string>44735 Thorndike St, Ashburn, VA 20147</string>
50479 |     <string>0x89b6395eda1b4e57:0x3bb0c94821ad7b90</string>
50480 | </dict>
    
```

TABLE 1

**Question 17 - Examination Questions**

**Question 17:** What was the total transaction amount (total amount including tax) of the purchase made with the Starbucks app at the "One Loudoun" Starbucks on June 21, 2021. (\*not the \$10 card activation)

Manufacturer's \$3.13

Expected Response:

WebCode	Response
2AWPX6	3.13
2KBJBJ	\$3.13
32HXAT	3.13
34LVJZ	\$3.13
3CD7TV	transactionAmount : real = 3.13
3KRXJT	\$3.13
3WM4CR	\$3.13
4RLKNX	3.13
6NJ3N9	
6WYMAU	\$3.13
6ZW4MN	\$3.13
6ZXX7U	\$3.13
767LJV	\$3.13
79N3AE	\$3.13
7DJNFX	1781 USDT (1782.1 USD)
7Q4CDZ	** see comments**
8LTJXV	6.87 USD
8TPDVU	\$3,13
9KBRMP	\$3.13
ANAMKJ	\$3.13
AR6EQU	\$3.13
BCDUU8	\$3.13
BCR32M	\$3.13
BFT9FT	3.13
BGL2BB	\$3.13
BQABJ6	\$3.13
C9NUAG	\$6.87
CERXXU	\$3.13
CU9ME6	\$3.13

TABLE 1

Question 17 - Examination Questions	
WebCode	Response
DRVJZK	3.13
F2B8MH	\$3.13
FTHYZ7	3.13
GHGNF3	\$3.13
GKJRYC	\$3.13
GUTYYL	\$6.87
H2PBFZ	3.13
H73ZV4	\$3.13
HBE79N	Not listed
HU3P3M	\$3.13
HYJXNZ	\$3.13
K46L2A	\$3.13
KM3MDF	
LJVR8H	USD 3.13
LMXR8E	\$3.13
MBFPZ8	3.13
MG66PE	10.00
MGL48H	3,13 \$
NZX87F	3.13
P2L2HA	\$17.81
P2ZPGG	\$6.87
Q924ZW	3.13
QUYVY9	3.13
R443E9	\$3.13
RWH8D4	\$3.13
T8WLTC	\$5.78
TBDTEQ	\$6.87
TU8NRD	\$3.13
UECLQZ	\$6,87
ULAGJR	\$3.13
UR2LG3	\$17.81
UZBTEQ	3.13
VTAXY4	3.13

TABLE 1

Question 17 - Examination Questions	
WebCode	Response
VZ6X9Q	\$3.13
WAQJVZ	\$3.13
WDUCPY	\$3.13
X3MWG6	3.13
YAXTC4	3.13
YG3J2M	3.13
YHYU2W	\$6.87
Z3EWAZ	6.87
ZHVRPW	\$3.13
ZJQBQX	\$3.13

**Question 17:** What was the total transaction amount (total amount including tax) of the purchase made with the Starbucks app at the "One Loudoun" Starbucks on June 21, 2021. (\*not the \$10 card activation)

**Consensus Result:** \$3.13

**Expected Response Explanation:**

User data for the Starbucks application is stored in

/private/var/mobile/Containers/Data/Application/9D0677A9-E185-4B6B-A01F-B79815174A6B.

/private/var/mobile/Containers/Data/Application/9D0677A9-E185-4B6B-A01F-B79815174A6B/Library/Caches/com.starbucks.SBXDiskBasedCache/SBXHistory is a binary plist file that contains transaction history for the app.

TABLE 1

**Question 17 - Examination Questions**

Expected Response Illustration:

SBXHistory



Other Responses:

Eight participants reported \$6.87 which was the remaining balance after spending \$3.13 at Starbucks.

TABLE 1

Question 18 - Examination Questions	
-------------------------------------	--

Question 18: On what date did the user search the internet for pool hours? Provide your response in the following format MM/DD/YYYY.

Manufacturer's      06/20/2021

Expected Response:

WebCode	Response
2AWPX6	06/20/2021
2KBJBJ	06/20/2021 UTC
32HXAT	06/20/2021
34LVJZ	06/20/2021
3CD7TV	06/20/2021
3KRXJT	06/20/2021
3WM4CR	06/20/2021
4RLKNX	06/20/2021
6NJ3N9	06/21/2021
6WYMAU	06/20/2021
6ZW4MN	6/20/2021
6ZXX7U	06/20/2021
767LJV	06/20/2021
79N3AE	06/20/2021
7DJNFX	06/20/2021
7Q4CDZ	06/20/2021
8LTJXV	06/20/2021 .
8TPDVU	06/20/2021
9KBRMP	6/20/2021
ANAMKJ	06/20/2021
AR6EQU	06/20/2021
BCDUU8	06/20/2021
BCR32M	06/20/2021
BFT9FT	06/20/2021
BGL2BB	06/20/2021
BQABJ6	06/20/2021
C9NUAG	06/20/2021
CERXXU	06/20/2021
CU9ME6	06/20/2021



TABLE 1

Question 18 - Examination Questions	
WebCode	Response
DRVJZK	6/20/2021
F2B8MH	06/20/2021
FTHYZ7	06/20/2021
GHGNF3	6/20/2021
GKJRYC	06/20/2021
GUTYYL	06/20/2021
H2PBFZ	06/20/2021
H73ZV4	06/20/2021
HBE79N	06/20/2021 17:41:46 (UTC-4)
HU3P3M	06/20/2021
HYJXNZ	06/20/2021
K46L2A	06/20/2021
KM3MDF	06/20/2021
LJVR8H	06/20/2021
LMXR8E	06/20/2021
MBFPZ8	06/20/2021
MG66PE	06/20/2021
MGL48H	06/20/2021
NZX87F	6/20/2021
P2L2HA	06/20/2021
P2ZPGG	06/20/2021
Q924ZW	06/20/2021
QUYVY9	06/20/2021
R443E9	06/20/2021
RWH8D4	06/20/2021
T8WLTC	06/20/2021
TBDTEQ	06/20/2021
TU8NRD	06/20/2021
UECLQZ	06/20/2021
ULAGJR	06/20/2021
UR2LG3	06/20/2021
UZBTEQ	06/20/2021
VTAXY4	06/20/2021

TABLE 1

Question 18 - Examination Questions	
WebCode	Response
VZ6X9Q	06/20/2021
WAQJVZ	06/20/2021
WDUCPY	6/20/2021
X3MWG6	06/20/2021
YAXTC4	06/20/2021
YG3J2M	06/20/2021
YHYU2W	6/20/2021
Z3EWAZ	06/20/2021
ZHVRPW	06/20/2021
ZJQBQX	06/20/2021

Question 18: On what date did the user search the internet for pool hours? Provide your response in the following format MM/DD/YYYY.

**Consensus Result:** 06/20/2021

**Expected Response Explanation:**

Review of the browser history for the installed web browsers finds records of google searches for pool hours on June 20th in the Chrome browser history file.

**Expected Response Illustration:**

**Celebrite Web History Table**

Last Visited	Title	URL	Visits	Source
6/20/2021 9:44:04 PM(UTC+0)	https://www.google.com/search?q=braemar+bristow+pool+hours&og=braemar+pool+hours&chrome.1.6915...	https://www.google.com/search?q=braemar+bristow+pool+hours&og=braemar+pool+hours&chrome.1.6915...		Chrome
6/20/2021 9:44:00 PM(UTC+0)	braemar bristow pool hours - Google Search	https://www.google.com/search?q=braemar+bristow+pool+hours&og=braemar+pool+hours&chrome.1.6915...		Chrome
6/20/2021 9:43:55 PM(UTC+0)	https://www.google.com/search?q=braemar+po...	https://www.google.com/search?q=braemar+pool+hours&og=braemar+pool+hours&chrome.1.6915...		Chrome
6/20/2021 9:42:34 PM(UTC+0)	Braemar Blasters : Pool Locations	https://www.teamunify.com/SubTabGeneric.jsp?team=recpwslibb&stabilid_=-41391		Chrome
6/20/2021 9:42:14 PM(UTC+0)	https://www.google.com/search?q=braemar+po...	https://www.google.com/search?q=braemar+pool+hours&og=braemar+pool+hours&chrome.1.6915...		Chrome
6/20/2021 9:41:46 PM(UTC+0)	braemar pool hours - Google Search	https://www.google.com/search?q=braemar+pool+hours&og=braemar+pool+hours&chrome.1.6915...		Chrome

**Chrome History**

id	url	title	visit_count	typed_count	last_visit_time	hidden
1	https://www.google.com/search?q=braemar+pool+hours&og=braemar+pool+hours&chrome.1.6915...	braemar pool hours - Google Search	1	0	13268698906320216	0
2	https://www.google.com/search?q=braemar+pool+hours&og=braemar+pool+hours&chrome.1.6915...	https://www.google.com/search?q=braemar+pool+hours&og=braemar+pool+hours&chrome.1.6915...	1	0	13268698934988821	0
3	https://www.teamunify.com/SubTabGeneric.jsp?team=recpwslibb&stabilid_=-41391	Braemar Blasters : Pool Locations	1	0	13268698954686947	0
4	https://www.google.com/search?q=braemar+pool+hours&og=braemar+pool+hours&chrome.1.6915...	https://www.google.com/search?q=braemar+pool+hours&og=braemar+pool+hours&chrome.1.6915...	1	0	13268699035358474	0
5	https://www.google.com/search?q=braemar+bristow+pool+hours&hl=en-US&ei=GrbPYKfDC8OW5N...	braemar bristow pool hours - Google Search	3	0	13268699040596479	0
6	https://www.google.com/search?q=braemar+bristow+pool+hours&hl=en-US&ei=GrbPYKfDC8OW5N...	https://www.google.com/search?q=braemar+bristow+pool+hours&hl=en-US&ei=GrbPYKfDC8OW5N...	1	0	13268699044329077	0

TABLE 1

**Question 18 - Examination Questions**

**Chrome History**

Enter a 17-digit WebKit timestamp:

13268698906320216

Convert WebKit timestamp to human date

**GMT** : Sunday, June 20, 2021 9:41:46 PM

**Your time zone** : Sunday, June 20, 2021 5:41:46 PM GMT-04:00

Epoch/Unix time : 1624225306 (in seconds)

TABLE 1

Question 19 - Examination Questions	
-------------------------------------	--

Question 19: Who did the phone owner discuss meeting at the pool on 6/23/2021? Provide names.

Manufacturer's Trish and Jess

Expected Response:

WebCode	Response
2AWPX6	Jess and Trish
2KBJBJ	Trish and Jess
32HXAT	Trish, Jess
34LVJZ	Trish and Jess
3CD7TV	Trish, Jess
3KRXJT	Jess and Trish
3WM4CR	Jess, Trish
4RLKNX	Trish & Jess
6NJ3N9	Jess and Trish
6WYMAU	Jess and Trish
6ZW4MN	Trish and Jess
6ZXX7U	Jess and Trish
767LJV	Jess and Trish
79N3AE	Trish and Jess
7DJNFX	Trish
7Q4CDZ	Trish & Jess
8LTJXV	Jess, Trish, contact number +17036499450.
8TPDVU	Jess and Trish
9KBRMP	Jess and Trish
ANAMKJ	Trish and Jess
AR6EQU	Trish, Jess
BCDUU8	Trish and Jess
BCR32M	Trish & Jess
BFT9FT	Jess, Trish
BGL2BB	Trish & Jess
BQABJ6	Jess and Trish
C9NUAG	Trish, Jess
CERXXU	Trish, Jess
CU9ME6	The device user discussed being at the pool in a group chat with contacts Jess and Trish. The contact Jess stated in her message, "hi Jenn. nice meeting you at the pool today."
DRVJZK	Jess and Trish

TABLE 1

Question 19 - Examination Questions	
WebCode	Response
F2B8MH	Trish, Jess
FTHYZ7	Jess and Trish
GHGNF3	Trish and Jess
GKJRYC	Trish and Jess
GUTYYL	Trish and Jess
H2PBFZ	Trish, Jess
H73ZV4	Jess and Trish
HBE79N	Jess & Trish
HU3P3M	Jess and Trish
HYJXNZ	Jess and Trish
K46L2A	Trish, Jess
KM3MDF	Trish, Jess
LJVR8H	Jess, Trish
LMXR8E	Jess and Trish
MBFPZ8	Jess, Trish
MG66PE	Jess, Trish
MGL48H	Jess and Trish
NZX87F	Trish and Jess
P2L2HA	Trish, Jess
P2ZPGG	Jess, Trish
Q924ZW	Jess
QUYVY9	Jess and Trish
R443E9	trish and Jess
RWH8D4	Jess and Trish
T8WLTC	Trish & Jess
TBDTEQ	Trish & Jess
TU8NRD	Trish and Jess
UECLQZ	Trish
ULAGJR	Jess and Trish
UR2LG3	Trish, Jess
UZBTEQ	Trish and Jess
VTAXY4	Trish, Jess

TABLE 1

Question 19 - Examination Questions	
WebCode	Response
VZ6X9Q	Trish, Jess
WAQJVZ	Jess, Trish
WDUCPY	Trish and Jess
X3MWG6	Jess, Trish
YAXTC4	Jess, Trish
YG3J2M	Jess, Trish
YHYU2W	Trish and Jess
Z3EWAZ	Jess and Trish
ZHVRPW	Trish and Jess
ZJQBQX	Jess and Trish

**Question 19:** Who did the phone owner discuss meeting at the pool on 6/23/2021? Provide names.

**Consensus Result:** Trish and Jess

**Expected Response Explanation:**

Searching the phone content for references to "pool" on 6/23/2021 finds an SMS conversation in which the owner chats with two parties, Jess and Trish, whom she met at the pool that day.

TABLE 1

Question 19 - Examination Questions

Expected Response Illustration:

Cellebrite Conversation View

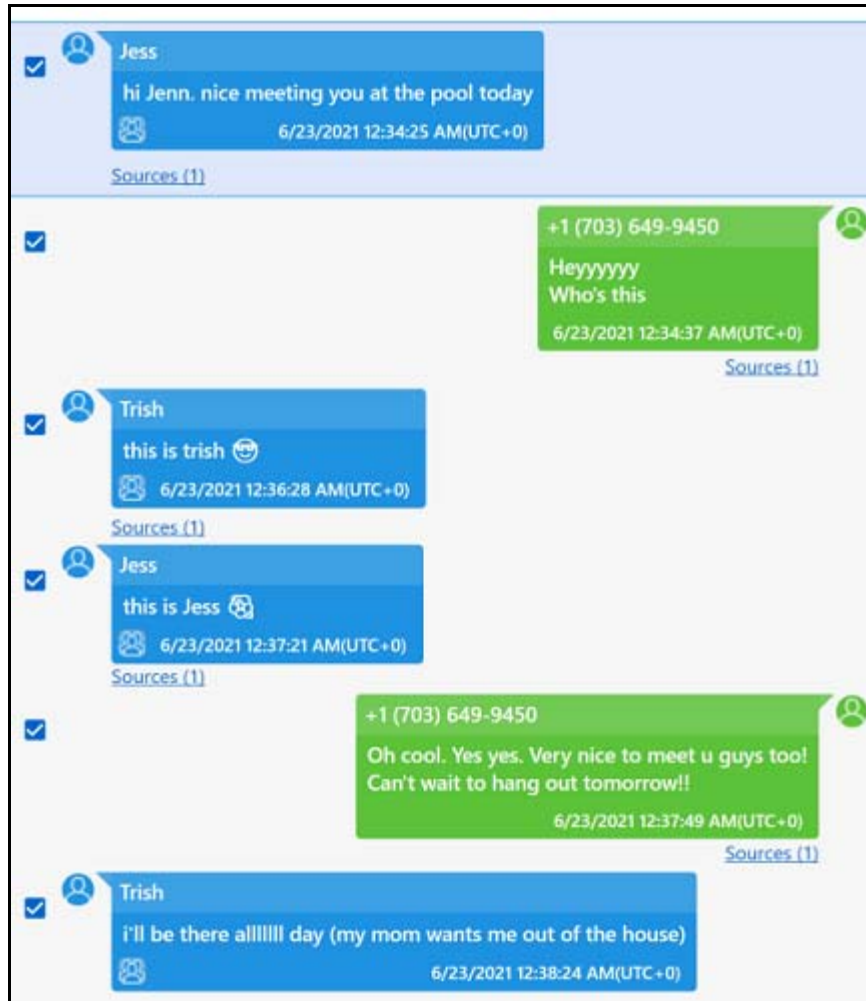


TABLE 1

Question 20 - Examination Questions	
-------------------------------------	--

Question 20: What day did the owner document as "Moving Day"? Provide the date in the following format: Month Day, Year (e.g. January 1, 1970)

Manufacturer's May 25, 2021 or May 26, 2021

Expected Response:

WebCode	Response
2AWPX6	May 26, 2021
2KBJBJ	May 26, 2021 (UTC -4)
32HXAT	May 26, 2021
34LVJZ	May 26, 2021
3CD7TV	May 26, 2021
3KRXJT	May 26, 2021
3WM4CR	May 25, 2021
4RLKNX	May 26, 2021
6NJ3N9	May 26, 2021
6WYMAU	May 26, 2021
6ZW4MN	May 25, 2021
6ZXX7U	May 25, 2021
767LJV	May 26, 2021 UTC+0
79N3AE	May 26, 2021
7DJNFX	Wednes day, May 26, 2021 (UTC-4)
7Q4CDZ	May 25, 2021
8LTJXV	May 26, 2021.
8TPDVU	May 26, 2021
9KBRMP	May 26, 2021
ANAMKJ	May 26, 2021
AR6EQU	May 26, 2021
BCDUU8	May 25, 2021
BCR32M	May 25, 2021
BFT9FT	May 25, 2021
BGL2BB	May 26, 2021
BQABJ6	May 26, 2021
C9NUAG	May 27, 2021
CERXXU	May 26, 2021
CU9ME6	May 26, 2021 (UTC+0)



TABLE 1

Question 20 - Examination Questions	
WebCode	Response
DRVJZK	May 26, 2021
F2B8MH	May 25, 2021
FTHYZ7	May 25, 2021
GHGNF3	May 25, 2021
GKJRYC	May 26, 2021 (UTC+0)
GUTYYL	May 26, 2021
H2PBFZ	This laboratory does not provide this service.
H73ZV4	May 26, 2021
HBE79N	05/25/2021
HU3P3M	May 25, 2021
HYJXNZ	May 25, 2021
K46L2A	May 26, 2021
KM3MDF	May 5, 2021
LJVR8H	May 25, 2021
LMXR8E	May 26, 2021 (UTC + 0)
MBFPZ8	May 25, 2021
MG66PE	May 25, 2021
MGL48H	May 26, 2021 (UTC+0)
NZX87F	May 25, 2021
P2L2HA	May 25, 2021
P2ZPGG	May 26, 2021
Q924ZW	May 26, 2021
QUVY9	May 26, 2021
R443E9	May 25, 2021
RWH8D4	May 26, 2021 (UTC+0)
T8WLTC	May 5, 2021
TBDTEQ	May 25, 2021
TU8NRD	May 26, 2021
UECLQZ	May 26, 2021
ULAGJR	May 26th, 2021
UR2LG3	May 26, 2021
UZBTEQ	May 26, 2021
VTAXY4	May 26, 2021

TABLE 1

Question 20 - Examination Questions	
WebCode	Response
VZ6X9Q	06/25/2021 (UTC-4) OR 06/26/2021 (UTC+0)
WAQJVZ	May 26, 2021
WDUCPY	May 26, 2021
X3MWG6	June 20, 2021
YAXTC4	May 26, 2021
YG3J2M	May 26, 2021
YHYU2W	May 25, 2021
Z3EWAZ	May/25/2021
ZHVRPW	05/26/2021
ZJQBQX	May 26, 2021

Question 20: What day did the owner document as “Moving Day”? Provide the date in the following format: Month Day, Year (e.g. January 1, 1970)

**Consensus Result:** May 25, 2021 and May 26, 2021 were both accepted since the time zone setting was not specified in the question.

**Expected Response Explanation:**

Calendar entries are stored in /private/var/mobile/Library/Calendar/Calendar.sqlitedb and the associated temp (shm, wal) files.

**Expected Response Illustration:**

Calendar.sqlitedb

Table: **CalendarItem**

ROWID	summary	location_id	client_location_id	description	start_date ▲1
Filter	Mov	Filter	Filter	Filter	Filter
1	87 Moving Day	0	0	NULL	2021-05-26 00:00:00

Cellebrite Calendar Table (Filtered)

Calendar (143) ×

Graphical timebar

Clear filters

#	Subject	Location	Start Date	Event Position	Atte
1	Moving Day		5/26/2021 12:00:00 AM(UTC+...		

TABLE 1

**Question 21 - Examination Questions**

**Question 21: Provide the full content of the voicemail message received on June 27, 2021.**

**Manufacturer's Expected Response:** "We are never going to stop, you will never fit in here, you are a freak, you are not welcome here" and variations representing similar information.

WebCode	Response
2AWPX6	We are never going to stop, You would never fit in here, You are a freak, You are not welcome here.
2KBJBJ	There are a number: 1, 4 & 5 – Call about an expiring warranty 2 & 3 Mumbling – "pocket calls?" 6 – Threatening message as follows: "We are never going to stop. You will never fit in here. You are a freak. You are not welcome here"
32HXAT	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
34LVJZ	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here."
3CD7TV	we are never going this talk. you are never getting here. you are a freak. you are not welcome here
3KRXT	We are never going to stop, you will never fit in here, you are a freak, you are not welcome here.
3WM4CR	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
4RLKNX	"We are never going to stop. You will never fit in here. You are a freak. You are not welcomed here."
6NJ3N9	We are never going to stop. You will never fit in here. You are freak. You are not welcome here.
6WYMAU	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
6ZW4MN	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
6ZXX7U	The voicemail is 12 seconds in duration with a robotic female voice stating the following: "We are never going to stop. You will never fit in here. You are a freak. You are not welcome here."
767LJV	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
79N3AE	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
7DJNFX	We are never going to stop. you will never give him here. you are a freak. you are not welcome here
7Q4CDZ	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
8LTJXV	A vending machine with bank card expiration information
8TPDVU	We are never going to stop. You will never sitting/settling here. You are a freak. You are not welcome here.
9KBRMP	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
ANAMKJ	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
AR6EQU	"We are never going to stop, you will never fit in here, you are a freak, you are not welcome here."
BCDUU8	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
BCR32M	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here."
BFT9FT	We are never going to stop you will never fit in here you are a freak you are not welcome here
BGL2BB	We are never going to stop, you will never fit in here. You are a freak, you are not welcome here.
BQABJ6	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
C9NUAG	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here."

TABLE 1

Question 21 - Examination Questions	
WebCode	Response
CERXXU	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
CU9ME6	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
DRVJZK	We are never going to stop. You will never fit in here. You are a freak. You are not welcomed here.
F2B8MH	We are never going to stop, you will never fit in here, you are a freak, you are not welcome here.
FTHYZ7	We're never going to stop. You'll never sit in here. You're freak. You'll not welcome here.
GHGNF3	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here."
GKJRYC	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here."
GUTYYL	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here."
H2PBFZ	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
H73ZV4	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
HBE79N	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here!"
HU3P3M	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here."
HYJXNZ	We are never going to stop. You will never settle in here. You are a freak. You are not welcomed here
K46L2A	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
KM3MDF	"We are never going to stop. You will never sitting here. You are freak. You are not welcome here."
LJVR8H	We are never going to stop you will never fit in here you are a freak you are not welcome here
LMXR8E	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
MBFPZ8	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here
MG66PE	We are never going to stop. You will never fit in here. You are a freak. You are not welcomed here.
MGL48H	We are never going to stop. You will never sit in here. You are a freak. You are not welcome here.
NZX87F	We are never going to stop, You will never fit in here, You are a freak you are not welcome here.
P2L2HA	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
P2ZPGG	We are never going to stop, you will never fit in here, you are a freak, you are not welcome here.
Q924ZW	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
QUVY9	We are never going to stop. You will never fit in here. You are a freak. You are not welcomed here.
R443E9	We are never going to stop, you will never fit in here, you are a freak, you are not welcome here
RWH8D4	We are never going to stop, you will never fit in here, you are a freak, you are not welcome here.
T8WLTC	"...and wanted to give you one final courtesy call before your warranty expires and your coverage is voided. This would make you financially responsible for all service repairs. Press 1 now if you wish to extend or reinstate your car's warranty. Once again press 1 now or press 2 to be placed on the DNC. Or call 833-304-1447."
TBDTEQ	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here
TU8NRD	We are never going to stop. You will never get in here. You are a freak. You are not welcome here.

TABLE 1

Question 21 - Examination Questions	
WebCode	Response
UECLQZ	We are never going to stop. You will never get in here. You are a freak. You are not wellcome here.
ULAGJR	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
UR2LG3	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
UZBTEQ	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
VTAXY4	A female voice saying, We are never going to stop. You will never fit in. You are a freak. You are not welcome here.
VZ6X9Q	I wanted to give you one final courtesy call before your warranty expires and your coverage is voided. This would make you financially responsible for all service repairs. Press one now if you wish to extend or reinstate your cars warranty, once again press one now, or press two to be placed on the DNC or call 8333041447
WAQJVZ	We are never going to stop. You will never fit in here. You are a freak. You are not welcomed here.
WDUCPY	We are never going to stop. You will never fit in here. You are a freak. You are not welcomed here.
X3MWG6	We're never going to stop. You're never get in here. You're freak. You're not welcome here.
YAXTC4	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
YG3J2M	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
YHYU2W	We are never going to stop you will never fit in here you are a freak you are not welcome here
Z3EWAZ	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here
ZHVRPW	We are never going to stop. You will never fit in here. You are a freak. You are not welcome here.
ZJQBQX	"We are never going to stop. You will never fit in here. You are a freak. You are not welcome here."

**Question 21:** Provide the full content of the voicemail message received on June 27, 2021.

**Consensus Result:** "We are never going to stop, you will never fit in here, you are a freak, you are not welcome here" and variations representing similar information.

**Expected Response Explanation:**

Voicemails are stored in /private/var/mobile/Library/Voicemail/. Reviewing the created dates of the files, or /private/var/mobile/Library/Voicemail/voicemail.db shows one message received on June 27th, 6.amr. The content can be heard by playing the amr file with any compatible media player.

**Expected Response Illustration:**

**Cellebrite Voicemail Table**

		#	Timestamp	From	Name	Duration
<input checked="" type="checkbox"/>		1	6/27/2021 9:24:33 PM(UTC+0)	From: +anonymous	6	00:00:12
<input checked="" type="checkbox"/>		2	6/25/2021 4:00:48 PM(UTC+0)	From: +12125120077	5	00:00:34

TABLE 1

**Question 21 - Examination Questions**

6.amr

Listing						
LogicalFileSet1/root.zip/private/var/mobile/Library/Voicemail						
Table		Thumbnail				
Name	S	C	Modified Time	Change Time	Access Time	Created Time
5.amr			2021-06-27 21:33:39 EDT	0000-00-00 00:00:00	2021-06-27 21:33:39 EDT	2021-06-27 21:33:39 EDT
6.amr			2021-06-27 21:33:38 EDT	0000-00-00 00:00:00	2021-06-27 21:33:38 EDT	2021-06-27 21:33:38 EDT
Greeting.amr			2021-06-27 21:33:36 EDT	0000-00-00 00:00:00	2021-06-27 21:33:35 EDT	2021-06-27 21:33:35 EDT

TABLE 1

Question 22 - Examination Questions	
-------------------------------------	--

**Question 22: Describe the type and content of the file with MD5 hash b278ec81b7dcca9291ffe7aca790092b.**

**Manufacturer's** Video from an airplane window and variations representing similar information.

**Expected Response:**

WebCode	Response
2AWPX6	It's a video of an airplane wing
2KBJBJ	It is a MOV video file showing the wing of an aeroplane
32HXAT	File Name/Extension: IMG_0013.MOV, Camera Make: Apple, Device: iPhone 6s, Software Used to Create: 13.5.1, Creation Date: 6/18/2021 9:05:12 PM(UTC+0), Content: Depicts apparent recording from a plane flight
34LVJZ	Type: Videos Content: A three second video of an aerial view from a plane
3CD7TV	IMG_0013.MOV its a video that shows the wing of the plane for 3 seconds
3KRXJT	This is a .MOV file (IMG_0013.MOV) A video clip looking out over the wing of an airplane flying over land
3WM4CR	A .mov video file looking out of an airplane window at the wing, sky and ground.
4RLKNX	This is .MOV video file of an airplane in flight, taken from the perspective of a passenger.
6NJ3N9	Video file taken from flying aeroplane (IMAGE 0013.MOV).
6WYMAU	. mov File type A Video of an airplane wing in flight
6ZW4MN	.mov file IMG_0013.mov Video from an airplane window
6ZXX7U	Type - .MOV and it is a 3-second video of an airplane window in flight over an unknown city.
767LJV	Type: Video (.mov file) Content: It is a video taken from the window of an airplane, overlooking the wing.
79N3AE	Video file, footage of a plane's wing as the plan is flying.
7DJNFX	type: mov, content: a flying plane
7Q4CDZ	Movie file (MP4). Shows the wing of a plane in flight over a residential area.
8LTJXV	Video of a flight from an airplane
8TPDVU	Type : .MOV Video Content : Video recorded from a plane.
9KBRMP	IMG_0013.MOV. 3 second movie of left airplane wing in flight over Birmingham, AL. 1440x1080 created: 06/18/2021 21:05:12 with Apple iPhone 6s
ANAMKJ	The file, IMG_0013.MOV, is a video containing 3 seconds of footage. It shows the wing of a plane in flight at an altitude where the ground is visible.
AR6EQU	Types: Videos Content: someone filming a video through a airplane window after takeoff
BCDUU8	A .mov file of someone filming inside an airplane looking outwards towards the left side of the plane, either on take off or landing.
BCR32M	Video File. The shows the view out a commercial airplane window overlooking the wing.

TABLE 1

Question 22 - Examination Questions	
WebCode	Response
BFT9FT	Type: .MOV , shows an airplane wing and the view below . Camera information: iphone 6s, Software: 13.5.1 Location: +33.5464-086.7902+231.023/
BGL2BB	MOV video file, showing 3 seconds of footage of the left wing and visible landscape of an aircraft flying over Collegeville, Birmingham, Alabama, United States of America
BQABJ6	.MOV file that records the view from a flight of an airplane wing over a city
C9NUAG	Type: Video (IMG_0013.MOV), Content: 3-second video of a view from an airplane window
CERXXU	MOV video file taken from an airplane window showing an airplane wing and the ground below.
CU9ME6	The file belonging to the listed hash value is a MOV (IMG_0013.MOV) video file. In the video file you can see the wing of what appears to be an airplane in flight.
DRVJZK	It is a video file (.MOV) showing the wing of an airplane and a city below.
F2B8MH	Videos recording from a flight window showing the flight wing and aerial view of the ground
FTHYZ7	Video. In video can see the wing of an airplane
GHGNF3	IMG_0013.MOV A video taken inside of a plane, flying over a city.
GKJRYC	.MOV file. shows the wing of a plane in flight.
GUTYYL	The file is a video showing the wing of a plane.
H2PBFZ	Type: .mov video Content: Three second recording of airplane in the sky; airplane wing and city below visible
H73ZV4	A .mov video file that shows the wing of a flying plane.
HBE79N	Video - IMG_0013.MOV Airplane video recorded from the wing angle.
HU3P3M	Appears to be a video file named "IMG_0013.MOV" recorded from an Apple iPhone 6s and is approximately 3 seconds in length. The content of the video file appears to be the left wing of a multi passenger airplane where the point of view is from a passenger window when the airplane is already flying in the air. There are clouds, trees, and houses visible in the video footage.
HYJXNZ	File type: Videos, Content: Aeroplane wing
K46L2A	Video file depicting the view from the window of a commercial aircraft.
KM3MDF	It is a video (MOV) that was made on a plane.
LJVR8H	Type: .MOV , shows an airplane wing and the view below . Camera information: iphone 6s, Software: 13.5.1 Location: +33.5464-086.7902+231.023
LMXR8E	Type: Video (with .MOV file extension with filename IMG_0013) Content: It is a video looking out of a window on a plane at the wing of the plane.
MBFPZ8	The file is a .MOV video out of a plane window, showing the wing, and buildings on the ground below.
MG66PE	Type: MOV (Video file) Content: Video of view from an airplane window.
MGL48H	IMG_0013.mov is a video file. A video file taken from the window of the plane.
NZX87F	.MOV Footage of flying plane where you can see the wings and city below.



TABLE 1

Question 22 - Examination Questions	
WebCode	Response
P2L2HA	Video recorded from a plane, looking out the window over the wing.
P2ZPGG	Video, airplane flight / airplane wing
Q924ZW	The left wing of a flying airplane is visible, with buildings below, and a few pieces of clouds in the sky.
QUYVY9	The Type : Videos The content : Recording the outside view from the airplane window. (1) Name : IMG_0013.MOV. (2) Size(bytes) : 3475839. (3) Path : DarArchive/root/private/var/mobile/Media/DCIM/100APPLE/IMG_0013.MOV. (4) Created : 06/18/2021 09:05:14 PM(UTC+0).
R443E9	IMG_0013.MOV Movie file Airplane wing during flight
RWH8D4	Video file (.MOV) of what appears to be an airplane wing while the plane is moving.
T8WLTC	video (.mov) file from inside a jet, looking out the window at the wing.
TBDTEQ	This is a moving image file – file name IMG 0013.MOV. It shows the wing of an aeroplane. Taken from inside the plane while the plane is in flight
TU8NRD	Video file in MOV format (IMG_0013.MOV). The content of the file is video of the airplane wing made through plane window.
UECLQZ	MOV video file. Wing of a flying plane.
ULAGJR	File type: MOV Movie File. Content: Video taken looking out of an airplane window.
UR2LG3	.mov file, video showing a view from a plane
UZBTEQ	Video file called IMG_0013.MOV – video taken from aeroplane window (aircraft wing visible) whilst in flight. Metadata shows video taken by iPhone 6s
VTAXY4	IMG_0013.MOV, Movie file. Someone looking out a plane window as it is flying.
VZ6X9Q	This is a video file(.MOV) of a flying aircraft shot from the wing of the aircraft looking down the length of the wing. The video is in full colour and has audio of the aircraft engine. The aircraft is flying over what appears to be a built-up area.
WAQJVZ	The type is a movie file (.mov)and what appears to be the wing of an aircraft.
WDUCPY	.MOV file. The content appears to be a video looking out the window over the wing of an airplane that is flying.
X3MWG6	Mov file, Someone was on a plane and shooting outside of the plane.
YAXTC4	IMG_0013.MOV
YG3J2M	Type: .mov (video) file. Content is video footage of an aircraft overlooking the port wing whilst in flight.
YHYU2W	It is a .MOV video of someone filming outside of a moving airplane.
Z3EWAZ	Is a video file (IMG_0013.MOV) of a wing of a plane
ZHVRPW	It is a video taken from the window of a plane during flight.
ZJQBQX	The file type is ".mov" and the video content is the view from an airplane window looking out over the wing.

**Question 22: Describe the type and content of the file with MD5 hash b278ec81b7dcca9291ffe7aca790092b.**

**Consensus Result:** Video from an airplane window and variations representing similar information.

# TABLE 1

## Question 22 - Examination Questions

**Expected Response Explanation:**

Searching the data for a file with the noted MD5 hash discovers IMG\_0013.mov, a video recorded through the window of an airplane in flight.

**Expected Response Illustration:**

IMG\_0013.mov



TABLE 1

### Question 23 - Examination Questions

**Question 23:** Provide the GPS Position coordinates for IMG\_0001.JPG in the format nn.nnnnnn N, nn.nnnnnn W.

**Manufacturer's** 38.891258 N, 77.016922 W, or 38.891258 N, 77.016923 W and all formatting styles  
**Expected Response:** which represent the same information.

WebCode	Response
2AWPX6	38.891258 N, -77.016923 W
2KBJBJ	XRY 38.891258 N -77.016922 W (PA gives 77.016923 presumably due to rounding)
32HXAT	38.891258 N, -77.016922 W
34LVJZ	38.891258 N, -77.016922 W
3CD7TV	N 38.8912583, W 77.0169222
3KRXJT	38.891258 N, -77.016922 W
3WM4CR	38.891258 N, -77.016923 W
4RLKNX	38.891258 N, -77.016923 W
6NJ3N9	38.891258 N, -77.016923 W.
6WYMAU	(38.891258 N, -77.016923 W)
6ZW4MN	38.891258, -77.016923
6ZXX7U	38.891258 N, -77.016923 W
767LJV	38.891258 N, 77.016923 W
79N3AE	38.891258 N, -77.016923 W
7DJNFX	38.891258 N, -77.016922 W
7Q4CDZ	38.891258 N, -77.016923 W
8LTJXV	Lat 38.891258; Long -77.016922
8TPDVU	38.891258 N, -77.016923 W
9KBRMP	38.891258 N, -77.016922 W
ANAMKJ	38.891258 N, 77.016923 W
AR6EQU	38.891258 N, -77.016922 W
BCDUU8	38.891258 N, -77.016923 W
BCR32M	38.891258 N, -77.016923 W
BFT9FT	38.891258, -77.016923
BGL2BB	38.891258 N, 77.016923 W
BQABJ6	38.891258 N, 77.016923 W
C9NUAG	33.546400 N, -86.790200 W
CERXXU	38.891258 N, 77.016923 W
CU9ME6	38.891258 N, -77.016923 W

TABLE 1

Question 23 - Examination Questions	
WebCode	Response
DRVJZK	38.891258 N, -77.016923 W
F2B8MH	38.891258 N, -77.016923 W
FTHYZ7	38.8912583 N, 77.0169222 W
GHGXF3	(38.891258 N, -77.016923 W)
GKJRYC	38.891258 N, -77.016923 W
GUTYYL	28,891258 N, 77.016923 W
H2PBFZ	38.891258 N, -77.016923 W
H73ZV4	38.891258 N, -77.016923 W
HBE79N	N - 38,53,28,53, W - 77,1,0.92
HU3P3M	38.891258 N, -77.016923 W
HYJXNZ	38.89125833 N, -77.01692217 W
K46L2A	38.891258 N, 77.016922 W
KM3MDF	38.891258 N, -77.016923 W
LJVR8H	38.891258, -77.016923
LMXR8E	38.891258 N, 77.016923 W
MBFPZ8	38.891258 N, 77.016923 W
MG66PE	38.891258 N, 77.016923 W
MGL48H	38.891258 N, -77.016923 W
NZX87F	38.891258, -77.016923
P2L2HA	38.891258 N, 77.016923 W
P2ZPGG	38.891258 N, 77.016923 W.
Q924ZW	38.891258 N, 77.016922 W
QUYVY9	38.891258 N, 77.016923 W
R443E9	38.891258 N, 77.016923 W
RWH8D4	38.891258 N, -77.016923 W
T8WLTC	38.891258 N, -77.016922 W
TBDTEQ	38.8912583 N 77.01692222222222 W
TU8NRD	38.891258 N, 77.016922 W
UECLQZ	38.891258 N, -77.016923 W
ULAGJR	38.891258 N, -77.016923 W
UR2LG3	38.891258 N, -77.016923 W
UZBTEQ	38.891258 N / 77.016922 W
VTAXY4	38.891258, -77.016922

TABLE 1

Question 23 - Examination Questions	
WebCode	Response
VZ6X9Q	38.891258, -77.016923
WAQJVZ	38.891258 N, -77.016923 W
WDUCPY	38.891258 N, -77.016922 W
X3MWG6	38.891258,-77.016923 (38°53'28.5"N 77°01'00.9"W)
YAXTC4	38.891258 N, 77.016922 W
YG3J2M	38.891258 N, -77.016923 W
YHYU2W	38.891258 N, -77.016923 W
Z3EWAZ	38.891258 N, 77.016923 W
ZHVRPW	38.89125833 N, 77.01692217 W
ZJQBQX	38.891258 N, -77.016923 W.

**Question 23:** Provide the GPS Position coordinates for IMG\_0001.JPG in the format nn.nnnnnn N, nn.nnnnnn W.

**Consensus Result:** 38.891258 N, 77.016922 W, or 38.891258 N, 77.016923 W and other versions representing the same information.

**Expected Response Explanation:**

When enabled, GPS Position (fix) information is embedded as EXIF data in photographs taken with the iPhone. This data can be extracted and parsed with any reliable tool.

**Expected Response Illustration:**

exiftool parse of EXIF data from IMG\_0001

```

Windows PowerShell
> & '.\exiftool.exe' -c '%.6f' -GPSPosition "C:\Users\user\Documents\CTS\21
iOS\iOS Autopsy\Export\IMG_0001.JPG"
GPS Position           : 38.891258 N, 77.016922 W
>

```

TABLE 1

**Question 24 - Examination Questions**

**Question 24:** Provide the identifier (e.g. phone number, email address, or social media handle, etc.) for the party who sent the image of a noose to the owner of the phone.

Manufacturer's +13017994219

Expected Response:

WebCode	Response
2AWPX6	+13017994219
2KBJBJ	+13017994219
32HXAT	+13017994219
34LVJZ	13017994219
3CD7TV	+13017994219
3KRXJT	13017994219
3WM4CR	1-301-799-4219
4RLKNX	301-799-4219
6NJ3N9	Phone number: +13017994219
6WYMAU	1 (301) 799-4219
6ZW4MN	1-301-799-4219
6ZXX7U	301-799-4219
767LJV	13017994219
79N3AE	+13017994219
7DJNFX	13017994219
7Q4CDZ	+130 1799 4219 (phone number)
8LTJXV	Snapchat Stories
8TPDVU	Tel : +13017994219 (+1 (301) 799-4219) User ID : DDA8A8FD-9E59-499D-93DC-5FFFF5B3DA22:ABPerson
9KBRMP	13017994219
ANAMKJ	+13017994219
AR6EQU	13017994219
BCDUU8	13017994219
BCR32M	1-301-799-4219
BFT9FT	+13017994219
BGL2BB	+13017994219
BQABJ6	+13017994219
C9NUAG	+13017994219
CERXXU	+1-301-799-4219
CU9ME6	301-799-4219

TABLE 1

Question 24 - Examination Questions	
WebCode	Response
DRVJZK	13017994219
F2B8MH	+13017994219
FTHYZ7	+13017994219
GHGNF3	13017994219
GKJRYC	+13017994219
GUTYYL	+13017994219
H2PBFZ	+13017994219
H73ZV4	+13017994219
HBE79N	+17036499450 - located in 'native messages'
HU3P3M	1 (301) 799-4219
HYJXNZ	+13017994219, native message
K46L2A	+3017994219
KM3MDF	+13017994219
LJVR8H	+13017994219
LMXR8E	13017994219 or 1-301-799-4219
MBFPZ8	+13017994219
MG66PE	+13017994219
MGL48H	13017994219
NZX87F	+13017994219
P2L2HA	301-799-4219
P2ZPGG	+13017994219
Q924ZW	Phone number: +13017994219
QUVY9	phone number : +13017994219
R443E9	13017994219
RWH8D4	+13017994219
T8WLTC	+13017994219
TBDTEQ	+13017994219
TU8NRD	+13017994219
UECLQZ	+13017994219
ULAGJR	+13017994219
UR2LG3	+13017994219
UZBTEQ	+13017994219
VTAXY4	301-799-4219

TABLE 1

Question 24 - Examination Questions	
WebCode	Response
VZ6X9Q	+13017994219
WAQJVZ	+3017994219
WDUCPY	+13017994219
X3MWG6	+13017994219
YAXTC4	13017994219
YG3J2M	+13017994219
YHYU2W	The phone number is 301-799-4219 that sent a picture of a noose.
Z3EWAZ	1(301)799 4219
ZHVRPW	1-301-799-4219
ZJQBQX	+13017994219

**Question 24:** Provide the identifier (e.g. phone number, email address, or social media handle, etc.) for the party who sent the image of a noose to the owner of the phone.

**Consensus Result:** +13017994219 and other formats of the same information.

**Expected Response Explanation:**

This image can be found by reviewing all images and locating the only image of a noose on the device, or by reviewing the communications for attached images. Advanced filtering or sorting by attachment source may speed discovery. The image of the noose, media0.jpg is found as an SMS attachment in /private/var/mobile/Library/SMS/Attachments/da/10/C69066DC-C33D-4DE5-AD16-E19E9BF3113E/media0.jpg. The associated message is from +13017994219.

**Expected Response Illustration:**

media0.jpg

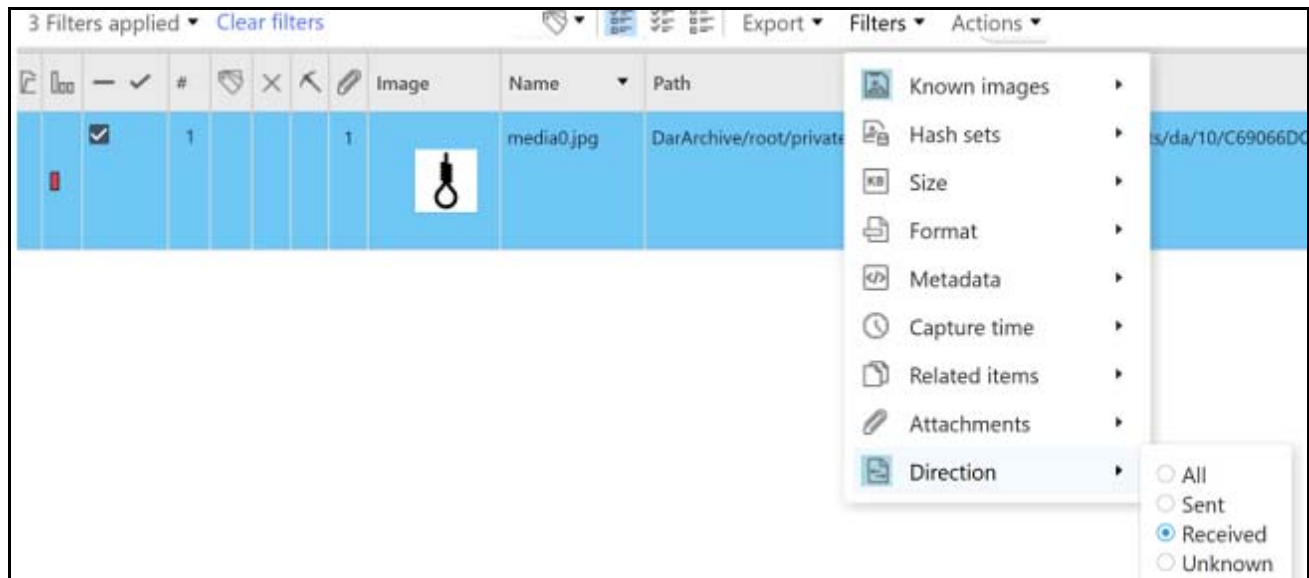




TABLE 1

**Question 24 - Examination Questions**

Celebrite images table filter by "Direction : Received"



Conversation snippet from +13017994219

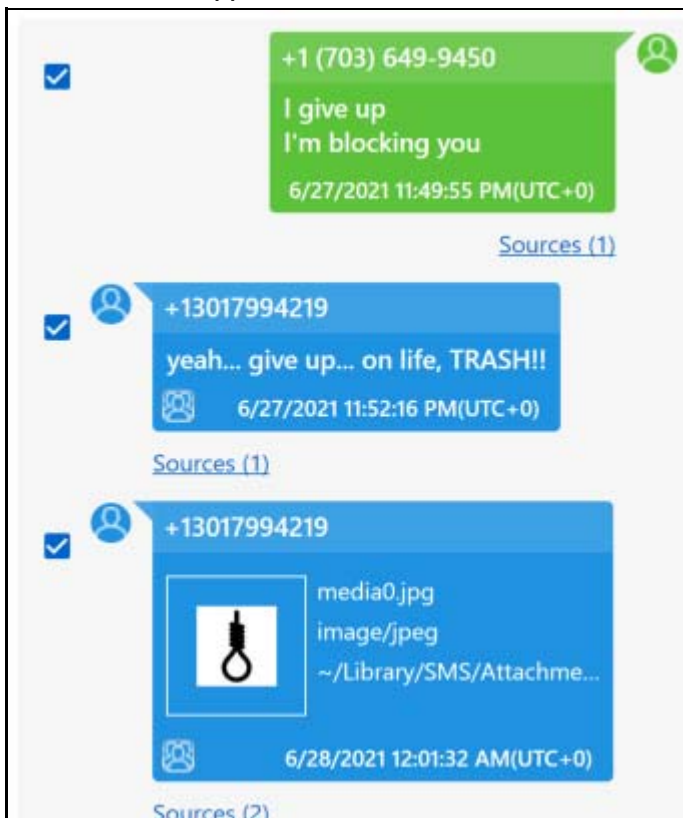


TABLE 1

## Question 25 - Examination Questions

Question 25: How many steps did the user take on June 3, 2021?

Manufacturer's 55

Expected Response:

WebCode	Response
2AWPX6	55
2KBJBJ	31.99
32HXAT	55
34LVJZ	55
3CD7TV	55
3KRXJT	55
3WM4CR	31.99
4RLKNX	55
6NJ3N9	55
6WYMAU	55
6ZW4MN	55
6ZXX7U	55
767LJV	55
79N3AE	55
7DJNFX	55
7Q4CDZ	55
8LTJXV	55 steps
8TPDVU	55
9KBRMP	55
ANAMKJ	55
AR6EQU	55
BCDUU8	55 Steps
BCR32M	55
BFT9FT	55
BGL2BB	55
BQABJ6	55
C9NUAG	55
CERXXU	55
CU9ME6	55
DRVJZK	55

TABLE 1

Question 25 - Examination Questions	
WebCode	Response
F2B8MH	55
FTHYZ7	55
GHGNF3	55
GKJRYC	55
GUTYYL	55
H2PBFZ	55
H73ZV4	55
HBE79N	55
HU3P3M	55
HYJXNZ	55
K46L2A	55
KM3MDF	55
LJVR8H	55
LMXR8E	55
MBFPZ8	55
MG66PE	55
MGL48H	55
NZX87F	55
P2L2HA	0
P2ZPGG	55
Q924ZW	55
QUYVY9	55
R443E9	55
RWH8D4	55
T8WLTC	55
TBDTEQ	55
TU8NRD	55
UECLQZ	55
ULAGJR	55
UR2LG3	55
UZBTEQ	55 steps 31.99 METERS TRAVELLED
VTAXY4	55

TABLE 1

Question 25 - Examination Questions	
WebCode	Response
VZ6X9Q	55
WAQJVZ	55
WDUCPY	55 Steps
X3MWG6	55
YAXTC4	7768.98
YG3J2M	55
YHYU2W	31.99
Z3EWAZ	55
ZHVRPW	55
ZJQBQX	55 Steps

Question 25: How many steps did the user take on June 3, 2021?

Consensus Result: 55

**Expected Response Explanation:**

Step data is stored in /private/var/mobile/Library/Health/healthdb\_secure.sqlite and the associated temp (shm, wal) files. The samples table contains the timestamp, data type (7 = steps, 8 = meters, 12 = floors climbed) and the data ID. The quantity\_samples table contains the values paired with the data\_id. Joining these two tables on the data\_id field and filtering for steps and the date provides the answer 55. Cellebrite Physical Analyzer "Activities" automates this analysis.

**Expected Response Illustration:**

SQLite query of healthdb\_secure.sqlite

```

1 SELECT datetime('2001-01-01', "start_date" || ' seconds') AS "start_date", quantity
2   from samples INNER JOIN quantity_samples on samples.data_id = quantity_samples.data_id
3   where data_type = 7 and datetime('2001-01-01', "start_date" || ' seconds') like ('2021-06-03%');
    
```

	start_date	quantity
1	2021-06-03 12:53:43	55.0

**Cellebrite Activities Table**

Name	Originates from	Value	Start time	End time	Location
Steps and Distance	Device	31.99 Meters 55 Steps	6/3/2021 12:53:43 PM(UTC+0)	6/3/2021 12:53:49 PM(UTC+0)	

TABLE 1

## Question 26 - Examination Questions

Question 26: What is the user's Instagram account username?

Manufacturer's jennjo07

Expected Response:

WebCode	Response
2AWPX6	jennjo07
2KBJBJ	jennjo07
32HXAT	jennjo07
34LVJZ	jennjo07
3CD7TV	jennjo07
3KRXJT	jennjo07
3WM4CR	Jennjo07
4RLKNX	jennjo07
6NJ3N9	jennjo07
6WYMAU	jennjo07
6ZW4MN	jennjo07
6ZXX7U	jennjo07
767LJV	jennjo07
79N3AE	jennjo07
7DJNFX	jennjo07
7Q4CDZ	jennjo07
8LTJXV	jennjo07
8TPDVU	jennjo07
9KBRMP	jennjo07
ANAMKJ	jennjo07
AR6EQU	jennjo07
BCDUU8	jennjo07
BCR32M	Jennjo07
BFT9FT	jennjo07
BGL2BB	jennjo07
BQABJ6	jennjo07
C9NUAG	jennjo07
CERXXU	jennjo07
CU9ME6	jennjo07
DRVJZK	jennjo07

TABLE 1

Question 26 - Examination Questions	
WebCode	Response
F2B8MH	jennjo07
FTHYZ7	jennjo07
GHGNF3	Jennjo07
GKJRYC	jennjo07
GUTYYL	jennjo07
H2PBFZ	jennjo07
H73ZV4	jennjo07
HBE79N	Jennyjo07
HU3P3M	jennjo07
HYJXNZ	jennjo07
K46L2A	jennjo07
KM3MDF	jennjo07
LJVR8H	jennjo07
LMXR8E	jennjo07
MBFPZ8	jennjo07
MG66PE	jennjo07
MGL48H	jennjo07
NZX87F	jennjo07
P2L2HA	jennjo07
P2ZPGG	jennjo07
Q924ZW	Jennjo07
QUYVY9	jennjo07
R443E9	jennjo07
RWH8D4	jennjo07
T8WLTC	JennJo07
TBDTEQ	jennjo07
TU8NRD	jennjo07
UECLQZ	jennjo07
ULAGJR	jennjo07
UR2LG3	jennjo07
UZBTEQ	jennjo07
VTAXY4	jennjo07
VZ6X9Q	jennjo07

TABLE 1

Question 26 - Examination Questions	
WebCode	Response
WAQJVZ	jennjo07
WDUCPY	jennjo07
X3MWG6	Jenn Jones
YAXTC4	jennjo07
YG3J2M	jennjo07
YHYU2W	jennjo07
Z3EWAZ	jennjo 07
ZHVRPW	jennjo07
ZJQBQX	jennjo07

**Question 26:** What is the user’s Instagram account username?

**Consensus Result:** jennjo07

**Expected Response Explanation:**

Instagram application preferences data is stored in /private/var/mobile/Containers/Data/Application/95625F2E-36DC-4812-93EC-748C2FBF221E/Library/Preferences/com.burbn.instagram.plist. Reviewing the contents of this file finds the field for “last-logged-in-account-dict” “username” of jennjo07.

**Expected Response Illustration:**

com.burbn.instagram.plist

```

2184 <key>last-logged-in-account-dict</key>
2185 <dict>
2186     <key>username</key>
2187     <string>jennjo07</string>
2188 </dict>
    
```

TABLE 1

## Question 27 - Examination Questions

Question 27: What is Tyson Pimmit's phone number?

Manufacturer's (703) 790-8088

Expected Response:

WebCode	Response
2AWPX6	(703) 790-8088
2KBJBJ	(703) 790-8088
32HXAT	(703) 790-8088
34LVJZ	(703) 790-8088
3CD7TV	(703) 790-8088
3KRXJT	7037908088
3WM4CR	703-790-8088
4RLKNX	(703) 790-8088
6NJ3N9	(703) 790-8088
6WYMAU	703-790-8088
6ZW4MN	(703)-790-8088
6ZXX7U	703-790-8088
767LJV	(703) 790-8088
79N3AE	(703) 790-8088
7DJNFX	(703)7908088
7Q4CDZ	(703) 790-8088
8LTJXV	(703) 790-8088
8TPDVU	(703) 790-8088
9KBRMP	7037908088
ANAMKJ	(703) 790-8088
AR6EQU	(703) 790-8088
BCDUU8	7037908088
BCR32M	(703) 790-8088
BFT9FT	(703) 790-8088
BGL2BB	(703) 790-8088
BQABJ6	(703) 790-8088
C9NUAG	(703) 790-8088
CERXXU	703-790-8088
CU9ME6	703-790-8088
DRVJZK	(703) 790-8088



TABLE 1

Question 27 - Examination Questions	
WebCode	Response
F2B8MH	(703) 790-8088
FTHYZ7	(703) 790-8088
GHGNF3	703-790-8088
GKJRYC	(703) 790-8088
GUTYYL	7037908088
H2PBFZ	(703) 790-8088
H73ZV4	(703) 790-8088
HBE79N	(703) 790-8088
HU3P3M	(703) 790-8088
HYJXNZ	(703) 790-8088
K46L2A	(703) 790-8088
KM3MDF	(703) 790-8088
LJVR8H	(703) 790-8088
LMXR8E	(703) 790-8088 or 703-790-8088
MBFPZ8	(703) 790-8088
MG66PE	(703) 790-8088
MGL48H	(703) 790-8088
NZX87F	(703) 790-8088
P2L2HA	703-790-8088
P2ZPGG	(703) 790-8088
Q924ZW	(703) 790-8088
QUYVY9	(703) 790-8088
R443E9	(703) 790-8088
RWH8D4	(703) 790-8088
T8WLTC	(703) 790-8088
TBDTEQ	(703) 790-8088
TU8NRD	(703) 790-8088
UECLQZ	(703) 790-8088
ULAGJR	(703) 790-8088
UR2LG3	(703) 790-8088
UZBTEQ	(703) 790-8088
VTAXY4	(703) 790-8088
VZ6X9Q	(703) 790-8088

TABLE 1

Question 27 - Examination Questions	
WebCode	Response
WAQJVZ	(703) 790-8088
WDUCPY	(703) 790-8088
X3MWG6	(703) 790-8088
YAXTC4	(703) 790-8088
YG3J2M	(703) 790-8088
YHYU2W	703-790-8088
Z3EWAZ	(703) 790 8088
ZHVRPW	(703) 790-8088
ZJQBQX	(703) 790-8088

**Question 27:** What is Tyson Pimmit’s phone number?

**Consensus Result:** (703) 790-8088 and other formats of the same information.

**Expected Response Explanation:**

Phone numbers for contacts are stored in /private/var/mobile/Library/AddressBook/AddressBook.sqlitedb and the associated temp (shm, wal) files. Contact names are found in the ABPerson table and phone numbers are stored in the ABMultiValue table. Joining these tables by the ROWID and record\_id fields (respectively) associates the names with appropriate numbers.

**Expected Response Illustration:**

SQLite query of AddressBook.sqlitedb

The screenshot shows a SQLite query interface with the following SQL query:

```

1 SELECT First, Last, VALUE
2 FROM ABPerson INNER JOIN ABMultiValue on ABPerson.ROWID = ABMultiValue.record_id
3 where First = 'Tyson';
    
```

Below the query, the results are displayed in a table:

	First	Last	value
1	Tyson	Pimmit	(703) 790-8088

TABLE 1

**Question 27 - Examination Questions**

**Cellebrite Contact table**

Folder	Thumbnail	Star	Checkmark	#	Name	Inter	Organs	Phones	Emails
		<input checked="" type="checkbox"/>		8	Tyson Pimmit			<b>Mobile</b> (703) 790-8088	
		<input checked="" type="checkbox"/>		9	Twitter				

TABLE 1

## Question 28 - Examination Questions

Question 28: What did the user conduct a Google search for using the Opera (OperaTouch) web browser?

Manufacturer's      painless suicide

Expected Response:

WebCode	Response
2AWPX6	Painless suicide
2KBJBJ	I have not been able to identify any searches via OperaTouch There are searches for Beach towels but these appear to be via Chrome.
32HXAT	painless suicide
34LVJZ	Painless suicide
3CD7TV	Eggbeater kick
3KRXJT	painless suicide
3WM4CR	painless suicide
4RLKNX	Painless suicide
6NJ3N9	painless suicide
6WYMAU	Painless Suicide
6ZW4MN	painless suicide
6ZXX7U	"Painless Suicide"
767LJV	painless suicide
79N3AE	Painless suicide
7DJNFX	painless suicide
7Q4CDZ	Painless suicide
8LTJXV	Eggbeater kick
8TPDVU	Painless suicide and <a href="https://en.wikipedia.org/wiki/Main_Page">https://en.wikipedia.org/wiki/Main_Page</a>
9KBRMP	Painless suicide
ANAMKJ	painless suicide
AR6EQU	painless suicide
BCDUU8	Painless suicide
BCR32M	<a href="https://www.google.com/searchbyimage?image_url=.ms-opera-touch-iphone">https://www.google.com/searchbyimage?image_url=.ms-opera-touch-iphone</a>
BFT9FT	painless suicide
BGL2BB	painless suicide
BQABJ6	painless suicide
C9NUAG	"painless suicide"
CERXXU	painless suicide
CU9ME6	painless suicide

TABLE 1

Question 28 - Examination Questions	
WebCode	Response
DRVJZK	painless suicide
F2B8MH	painless suicide
FTHYZ7	Eggbeater kick
GHGNF3	Painless Suicide
GKJRYC	painless suicide
GUTYYL	painless suicide
H2PBFZ	painless suicide
H73ZV4	painless suicide
HBE79N	N/A - No browser of that name
HU3P3M	painless suicide
HYJXNZ	painless suicide
K46L2A	painless suicide
KM3MDF	painless suicide
LJVR8H	painless suicide
LMXR8E	painless suicide
MBFPZ8	painless suicide
MG66PE	painless suicide
MGL48H	painless suicide
NZX87F	painless suicide
P2L2HA	painless suicide
P2ZPGG	Eggbeater kick
Q924ZW	painless suicide
QUVYV9	painless suicide
R443E9	free counseling hotline
RWH8D4	painless suicide
T8WLTC	eggbeater kick
TBDTEQ	Painless suicide
TU8NRD	painless suicide
UECLQZ	Painless suicide
ULAGJR	Painless Suicide
UR2LG3	painless suicide
UZBTEQ	PAINLESS SUICIDE
VTAXY4	painless suicide

TABLE 1

Question 28 - Examination Questions	
WebCode	Response
VZ6X9Q	Painless suicide
WAQJVZ	painless suicide
WDUCPY	Painless suicide
X3MWG6	Painless suicide
YAXTC4	painless suicide
YG3J2M	painless suicide
YHYU2W	Eggbeater Kick
Z3EWAZ	Painless Suicide
ZHVRPW	Painless suicide
ZJQBQX	painless suicide

**Question 28:** What did the user conduct a Google search for using the Opera (OperaTouch) web browser?

**Consensus Result:** painless suicide

**Expected Response Explanation:**

Browser history data for the Opera browser is stored in /private/var/mobile/Containers/Data/Application/D860415A-EC5D-4996-A5C9-B61F51206AD0/Library/Application Support/Opera\_Touch.sqlite and the associated temp (shm, wal) files. The ZURL field in the ZBDURL table lists the visited urls. There is one record of a Google search, <https://www.google.com/m?q=painless%20suicide&client=ms-opera-touch-iphone&channel=new&espv=1>.

**Expected Response Illustration:**

**Opera\_Touch.sqlite**

The screenshot shows a forensic tool interface. At the top, it displays the file path: /LogicalFileSet1/root.zip/private/var/mobile/Containers/Data/Application/D860415A-EC5D-4996-A5C9-B61F51206AD0/Library/Application Support. Below this, there is a table with columns: Name, S, C, Modified Time, Change Time, Access Time, Created Time, and Size. The entry 'Opera\_Touch.sqlite' is listed with a size of 5406 bytes. Below this table, there are tabs for 'Hex', 'Text', 'Application', 'File Metadata', 'Context', 'Results', 'Annotations', and 'Other Occurrences'. The 'Results' tab is selected, showing a table with columns 'Z\_ENT', 'ZURL', and 'ZTITLE'. The table has 35 entries. The third entry is highlighted in red and contains the URL 'https://www.google.com/m?q=painless%20suicide&client=ms-opera-touch-iphone&channel=new&espv=1' and the title 'painless suicide - Google Search'.

**Other Responses:**

Seven participants reported "Eggbeater Kick". This was a Wikipedia page visited on Opera but not searched using Google.

TABLE 1

Question 29 - Examination Questions	
-------------------------------------	--

**Question 29:** The user navigated to what address using the (native) Maps app? Provide the number and street name.

Manufacturer's 12300 Iona Sound Dr

Expected Response:

WebCode	Response
2AWPX6	12300 Iona Sound Dr
2KBJBJ	12300 Iona Sound Dr
32HXAT	12300 Iona Sound Dr
34LVJZ	12300 Iona Sound Dr
3CD7TV	12300 Iona Sound Dr Braemar Parkway
3KRXJT	12300 Iona Sound Dr
3WM4CR	12300 Iona Sound Dr
4RLKNX	12300 Iona Sound Dr
6NJ3N9	12300 Iona Sound Dr
6WYMAU	12300 Iona Sound Dr.
6ZW4MN	12300 Iona Sound Dr.
6ZXX7U	12300 Iona Sound Drive
767LJV	12300 Iona Sound Dr
79N3AE	12300 Iona Sound Dr
7DJNFX	12300 Iona Sound Dr, Bristow, VA 20136, United States
7Q4CDZ	Dumfries Road, Fauquier County, VA 20119, USA
8LTJXV	12300 Iona Sound Dr
8TPDVU	12300 Iona Sound Drive, Bristow, Virginia , USA
9KBRMP	12300 Iona Sound Dr.
ANAMKJ	12300 Iona Sound Dr
AR6EQU	12300 Iona Sound Dr
BCDUU8	12300 Iona Sound Dr
BCR32M	12300 Iona Sound Dr
BFT9FT	12300 Iona Sound Dr
BGL2BB	12300 Iona Sound Dr
BQABJ6	12300 Iona Sound Dr
C9NUAG	12300 Iona Sound Dr
CERXXU	12300 Iona Sound Dr
CU9ME6	12300 Iona Sound Dr.

TABLE 1

Question 29 - Examination Questions	
WebCode	Response
DRVJZK	12300 Iona Sound Dr
F2B8MH	12300 Iona Sound Dr
FTHYZ7	12300 Iona Sound Dr
GHGNF3	12300 Iona Sound Dr
GKJRYC	12300 Iona Sound Dr.
GUTYYL	12300 Iona Sound Drive, Bristow, Virginia 20136, United States
H2PBFZ	12300 Iona Sound Dr
H73ZV4	12300 Iona Sound Dr
HBE79N	12300 Iona Sound Drive
HU3P3M	12300 Iona Sound Dr
HYJXNZ	12300 Iona Sound Dr, Bristow, VA 20136, United States
K46L2A	12300 Iona Sound Dr
KM3MDF	10600 Determination Drive
LJVR8H	12300 Iona Sound Dr
LMXR8E	12300 Iona Sound Dr
MBFPZ8	12300 Iona Sound Dr, Bristow, VA 20136, United States
MG66PE	12300 Iona Sound Dr
MGL48H	12300 Iona Sound Dr
NZX87F	12300 Iona Sound Dr
P2L2HA	12300 Iona Sound Dr.
P2ZPGG	12300 Iona Sound Dr
Q924ZW	12300 Iona Sound Dr, Bristow, VA 20136
QUYVY9	12300 Iona Sound Dr
R443E9	12300 Iona Sound Dr
RWH8D4	12300 Iona Sound Dr
T8WLTC	12300 Iona Sound Dr
TBDTEQ	12300 Iona Sound Dr, Bristow, VA 20136, United States
TU8NRD	2538 Dumfries Rd, Catlett, VA 20119, United States
UECLQZ	12300 Iona Sound Drive. Bristow, Virginia 20136, USA.
ULAGJR	12300 Iona Sound Dr, Bristow, VA 20136, United States
UR2LG3	12300 Iona Sound Dr, Bristow, VA 20136, United States
UZBTEQ	12300 Iona Sound Dr
VTAXY4	12300 Iona Sound Dr, Bristow, VA 20136, United States



TABLE 1

Question 29 - Examination Questions	
WebCode	Response
VZ6X9Q	Linton Hall Table, Bristow, VA, USA
WAQJVZ	12300 Iona Sound Dr
WDUCPY	12300 Iona Sound Dr
X3MWG6	12300 Iona Sound Dr
YAXTC4	12300 Iona Sound Dr
YG3J2M	12300 Iona Sound Dr
YHYU2W	12300 Iona Sound Dr
Z3EWAZ	12300 Iona Sound Dr.
ZHVRPW	12300 Iona Sound Dr
ZJQBQX	12300 Iona Sound Dr

**Question 29:** The user navigated to what address using the (native) Maps app? Provide the number and street name.

**Consensus Result:** 12300 Iona Sound Dr

**Expected Response Explanation:**

Navigation history and searched locations for the native Maps app are stored in /private/var/mobile/Containers/Data/Application/F42C92DD-044E-4AD1-A9C2-F4424A54C737/Library/Maps/GeoHistory.mapsdata.

**Expected Response Illustration:**

**GeoHistory.mapsdata**

The screenshot shows a file explorer interface with the following table of files:

Name	S	C	Modified Time	Change Time	Access Time	Created Time
ReportAProblem			0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00
GeoBookmarks.plist			2021-06-25 00:10:21 EDT	0000-00-00 00:00:00	2021-06-25 00:10:21 EDT	2021-06-25 00:10:21 EDT
GeoCollections.plist			2021-06-25 00:10:21 EDT	0000-00-00 00:00:00	2021-06-25 00:10:21 EDT	2021-06-25 00:10:21 EDT
GeoHistory.mapsdata			2021-06-25 00:10:21 EDT	0000-00-00 00:00:00	2021-06-25 00:10:21 EDT	2021-06-25 00:10:21 EDT
GeoPinnedPlaces.plist			2021-06-25 00:10:21 EDT	0000-00-00 00:00:00	2021-06-25 00:10:21 EDT	2021-06-25 00:10:21 EDT

The 'Text' view of the selected file shows the following content:

```
en-us
12300 Iona Sound Dr2
Bristow, VA 201362
United States
```

TABLE 1

**Question 29 - Examination Questions**

**Cellebrite parse of Apple Maps Journey**

The screenshot displays the Apple Maps application interface. On the left, a map shows a route starting from Iona Sound Dr and heading towards Braemar Place. The right-hand panel, titled 'Journey', contains the following information:

- Start Time:** 6/22/2021 10:41:25 PM(UTC+0)
- End time:** (blank)
- Name:** 12300 Iona Sound Dr (highlighted with a red box)
- Source:** Apple Maps
- Account:** (blank)
- Extraction:** File System
- Source file:** [DanArchive/root/private/var/mobile/Containers/Data/Application/F42C92DD-044E-4AD1-A9C2-F4424A54C737/Library/Maps/GeoHistory.mapsdata/0xFC](#) (Size: 7951 bytes)

Below the journey details, there are two sections for location points:

From point	
(38.739527, -77.561990)	6/22/2021 10:41:25 PM(UTC+0)

To point	
(38.740483, -77.561003)	6/22/2021 10:41:25 PM(UTC+0)

TABLE 1

**Question 30 - Examination Questions**

**Question 30: What is the user's password for Walmart.com?**

Manufacturer's      Passweird!

Expected Response:

WebCode	Response
2AWPX6	Passweird!
2KBJBJ	I have only been able to identify a token passcode: 6cb50eaded35e288ade5261c89b71aca87ac980c3f07447045aaccb21f8fe8e863a0bd3338ffc7a6ab 13cbcebbf2b2acwmcxo 3f79c224-bd9b-458b-8c36-05cffd308473
32HXAT	Passweird!
34LVJZ	Passweird!
3CD7TV	Passweird!
3KRXJT	Passweird!
3WM4CR	Passweird!
4RLKNX	Passweird!
6NJ3N9	Passweird!
6WYMAU	Passweird!
6ZW4MN	passweird!
6ZXX7U	Passweird!
767LJV	Passweird!
79N3AE	Passweird!
7DJNFX	Passweird!
7Q4CDZ	** see comments**
8LTJXV	Passweird!
8TPDVU	Passweird!
9KBRMP	Passweird!
ANAMKJ	Passweird!
AR6EQU	Passweird!
BCDUU8	Passweird!
BCR32M	Passweird!
BFT9FT	Passweird!
BGL2BB	Passweird!
BQABJ6	Passweird!
C9NUAG	Passweird!
CERXXU	Passweird!
CU9ME6	Passweird!

TABLE 1

Question 30 - Examination Questions	
WebCode	Response
DRVJZK	Passweird!
F2B8MH	Passweird!
FTHYZ7	Passweird!
GHGNF3	Passweird!
GKJRYC	Passweird!
GUTYYL	Passweird!
H2PBFZ	Passweird!
H73ZV4	Passweird!
HBE79N	Passweird!
HU3P3M	Passweird!
HYJXNZ	Passweird!
K46L2A	Passweird!
KM3MDF	Passweird!
LJVR8H	Passweird!
LMXR8E	Passweird!
MBFPZ8	Passweird!
MG66PE	Passweird!
MGL48H	Passweird!
NZX87F	Passweird!
P2L2HA	Passweird!
P2ZPGG	Passweird!
Q924ZW	Passweird!
QUYVY9	Passweird!
R443E9	Passweird!
RWH8D4	Passweird!
T8WLTC	Passweird!
TBDTEQ	Passweird!
TU8NRD	Passweird!
UECLQZ	Passweird!
ULAGJR	Passweird!
UR2LG3	Passweird!
UZBTEQ	Passweird!
VTAXY4	Passweird!

TABLE 1

Question 30 - Examination Questions	
WebCode	Response
VZ6X9Q	Passweird!
WAQJVZ	Passweird!
WDUCPY	Passweird!
X3MWG6	Passweird!
YAXTC4	Passweird!
YG3J2M	Passweird!
YHYU2W	Passweird!
Z3EWAZ	Passweird!
ZHVRPW	Passweird!
ZJQBQX	Passweird!

Question 30: What is the user’s password for Walmart.com?

**Consensus Result:** Passweird!

**Expected Response Explanation:**

Account passwords stored in the device keychain (backup\_keychain\_v2.plist provided with the extraction) can be extracted with Cellebrite PA or another forensic tool with similar capabilities.

**Expected Response Illustration:**

Cellebrite Passwords Table

The screenshot shows the Cellebrite Passwords Table interface. At the top, it displays 'Apple\_iPhone 6s (A1633)' and 'Passwords (505)'. Below this is a 'Clear filters' button. The table has four columns: 'Label', 'Account', 'Data', and 'S'. The first row of data shows the label 'www.walmart.com (jennyjones07@icloud.com)', the account 'jennyjones07@icloud.com', and the data 'Passweird!'.

Label	Account	Data	S
www.walmart.com (jennyjones07@icloud.com)	jennyjones07@icloud.com	Passweird!	

TABLE 1

## Question 31 - Examination Questions

**Question 31:** What is the content of the message received by the user's Signal app at 6/27/2021 9:49 PM(UTC+0)?

Manufacturer's This is never going to end

Expected Response:

WebCode	Response
2AWPX6	This is never going to end
2KBJBJ	This is never going to end
32HXAT	This is never going to end
34LVJZ	"This is never going to end."
3CD7TV	This is never going to end
3KRXJT	This is never going to end
3WM4CR	This is never going to end
4RLKNX	"This is never going to end"
6NJ3N9	This is never going to end
6WYMAU	This is never going to end.
6ZW4MN	This is never going to end
6ZXX7U	"This is never going to end"
767LJV	This is never going to end
79N3AE	This is never going to end
7DJNFX	This is never going to end
7Q4CDZ	Your SIGNAL verification code is 943328
8LTJXV	This is never going to end
8TPDVU	This is never going to end.
9KBRMP	This is never going to end
ANAMKJ	This is never going to end
AR6EQU	This is never going to end
BCDUU8	This is never going to end
BCR32M	This is never going to end
BFT9FT	This is never going to end
BGL2BB	This is never going to end
BQABJ6	This is never going to end
C9NUAG	+ (+17036499750): "This is never going to end"
CERXXU	This is never going to end
CU9ME6	This is never going to end

TABLE 1

Question 31 - Examination Questions	
WebCode	Response
DRVJZK	This is never going to end
F2B8MH	This is never going to end
FTHYZ7	This is never going to end
GHGNF3	This is never going to end
GKJRYC	This is never going to end
GUTYYL	This is never going to end
H2PBFZ	This is never going to end
H73ZV4	This is never going to end
HBE79N	"This is never going to end."
HU3P3M	This is never going to end
HYJXNZ	This is never going to end
K46L2A	This is never going to end
KM3MDF	This is never going to end
LJVR8H	This is never going to end
LMXR8E	This is never going to end
MBFPZ8	This is never going to end
MG66PE	This is never going to end
MGL48H	This is never going to end
NZX87F	This is never going to end
P2L2HA	This is never going to end.
P2ZPGG	This is never going to end
Q924ZW	This is never going to end
QUYVY9	This is never going to end
R443E9	This is never going to end
RWH8D4	This is never going to end
T8WLTC	"this is never going to end"
TBDTEQ	'This is never going to end'
TU8NRD	This is never going to end
UECLQZ	This is never going to end.
ULAGJR	This is never going to end
UR2LG3	This is never going to end
UZBTEQ	This is never going to end
VTAXY4	This is never going to end

TABLE 1

Question 31 - Examination Questions	
WebCode	Response
VZ6X9Q	This is never going to end
WAQJVZ	This is never going to end
WDUCPY	This is never going to end
X3MWG6	This is never going to end
YAXTC4	This is never going to end
YG3J2M	This is never going to end
YHYU2W	The message content stated: This is never going to end
Z3EWAZ	This is never going to end
ZHVRPW	"This is never going to end"
ZJQBQX	This is never going to end

**Question 31:** What is the content of the message received by the user’s Signal app at 6/27/2021 9:49 PM(UTC+0)?

**Consensus Result:** This is never going to end

**Expected Response Explanation:**

Data for the Signal secure messaging app is stored in /private/var/mobile/Containers/Shared/AppGroup/4B35E998-1A44-45B1-80BD-DF4D53954120/grdb/signal.sqlite

**Expected Response Illustration:**

**Cellebrite Chat Table (Signal)**

The image displays two side-by-side screenshots. On the left is the 'Graphical timebar' from Cellebrite, showing a list of participants in a chat. The selected entry is for contact '+17036499750' (Jennifer) with a start time of '6/27/2021 9:49:36 PM(UTC+0)'. On the right is a screenshot of the Signal chat interface, showing a message from contact 't' that reads 'This is never going to end' with a timestamp of '6/27/2021 9:49:30 PM(UTC+0)'.



TABLE 1

## Question 32 - Examination Questions

Question 32: What did the user search for on Google using the Safari browser?

Manufacturer's free counseling hotline

Expected Response:

WebCode	Response
2AWPX6	free counseling hotline
2KBJBJ	free counseling hotline
32HXAT	free counseling hotline
34LVJZ	free counseling hotline
3CD7TV	free counseling hotline
3KRXJT	free counseling hotline
3WM4CR	free counseling hotline
4RLKNX	free counseling hotline
6NJ3N9	free counseling hotline
6WYMAU	free counseling hotline
6ZW4MN	free counseling hotline
6ZXX7U	free counseling hotline
767LJV	free counseling hotline
79N3AE	free counseling hotline
7DJNFX	free counseling hotline
7Q4CDZ	free counselling hotline
8LTJXV	free counseling hotline
8TPDVU	free counseling hotline
9KBRMP	free counseling hotline
ANAMKJ	free counseling hotline
AR6EQU	free counseling hotline
BCDUU8	Free counseling hotline
BCR32M	Free counseling hotline
BFT9FT	free counseling hotline
BGL2BB	free counseling hotline
BQABJ6	free counseling hotline
C9NUAG	"free counseling hotline"
CERXXU	free counseling hotline
CU9ME6	free counseling hotline
DRVJZK	free counseling hotline

TABLE 1

Question 32 - Examination Questions	
WebCode	Response
F2B8MH	free counseling hotline
FTHYZ7	free counseling hotline
GHGNF3	Free counseling hotline
GKJRYC	free counseling hotline
GUTYYL	free counseling hotline
H2PBFZ	free counseling hotline
H73ZV4	free counseling hotline
HBE79N	Free Counselling Hotline
HU3P3M	Free counseling hotline
HYJXNZ	free counseling hotline
K46L2A	free counseling hotline
KM3MDF	free counseling hotline
LJVR8H	free counseling hotline
LMXR8E	free counseling hotline
MBFPZ8	free counseling hotline
MG66PE	free counseling hotline
MGL48H	free counseling hotline
NZX87F	free counseling hotline
P2L2HA	Free counseling hotline
P2ZPGG	Free counselling hotline
Q924ZW	free counseling hotline
QUYVY9	free counseling hotline
R443E9	free counseling hotline
RWH8D4	free counseling hotline
T8WLTC	free counseling hotline
TBDTEQ	Free counselling hotline
TU8NRD	free counseling hotline
UECLQZ	Free counseling hotline.
ULAGJR	Free counselling hotline
UR2LG3	free counseling hotline
UZBTEQ	free counseling hotline
VTAXY4	free counseling hotline
VZ6X9Q	free counseling hotline

TABLE 1

Question 32 - Examination Questions	
WebCode	Response
WAQJVZ	free counseling hotline
WDUCPY	free counseling hotline
X3MWG6	Free counseling hotline
YAXTC4	free counseling hotline
YG3J2M	free counseling hotline
YHYU2W	free counseling hotline
Z3EWAZ	Free counseling hotline
ZHVRPW	Free counseling hotline
ZJQBQX	free counseling hotline

Question 32: What did the user search for on Google using the Safari browser?

**Consensus Result:** free counseling hotline

**Expected Response Explanation:**

Safari browsing history is stored in /private/var/mobile/Library/Safari/History.db. The history\_items table contains an entry for Google with the above search terms.

**Expected Response Illustration:**

History.db

id	uri	domain_...	visits
1	https://www.yahoo.com/news/britney-spears-courtroom-plea-spurs-122137856.html	yahoo	1
2	https://www.yahoo.com/	yahoo	3
3	https://yahoo.com/	yahoo	2
4	https://www.yahoo.com/news/everybody-knows-mind-joe-rogan-201700151.html	yahoo	1
5	https://www.google.com/search?q=free+counseling+hotline&ie=UTF-8&oe=UTF-8&hl=en-us&client=safari	google	2

**Cellebrite Safari history view**

Last Visited	Title	URL	Visits	Source
6/27/2021 8:17:50 PM(UTC+0)	free counseling hotline - Google Search	https://www.google.com/search?q=free+counseling+hotline&ie=UTF-8&oe=UTF-8&hl=en-us&client=safari	1	Safari
6/27/2021 8:17:49 PM(UTC+0)	free counseling hotline - Google Search	https://www.google.com/search?q=free+counseling+hotline&ie=UTF-8&oe=UTF-8&hl=en-us&client=safari	1	Safari

TABLE 1

Question 33 - Examination Questions	
-------------------------------------	--

Question 33: Provide the phone model name for this device (e.g., iPhone 5c, iPhone 8 Plus).

Manufacturer's iPhone 6s

Expected Response:

WebCode	Response
2AWPX6	iPhone 6s
2KBJBJ	iPhone 6s LTE-A
32HXAT	iPhone 6s
34LVJZ	iPhone 6s
3CD7TV	iPhone 6S
3KRXJT	iPhone 6s
3WM4CR	iPhone 6S
4RLKNX	iPhone 6s
6NJ3N9	iPhone 6s
6WYMAU	iPhone 6s
6ZW4MN	iPhone 6S
6ZXX7U	iPhone 6s
767LJV	iPhone 6s
79N3AE	iPhone 6s
7DJNFX	iPhone 6S
7Q4CDZ	iPhone 6s
8LTJXV	iPhone 6s
8TPDVU	iPhone 6s
9KBRMP	iPhone 6s
ANAMKJ	iPhone 6s
AR6EQU	iPhone 6s
BCDUU8	iPhone 6s
BCR32M	iPhone 6s
BFT9FT	iPhone 6s
BGL2BB	iPhone 6s
BQABJ6	iPhone 6s
C9NUAG	Apple iPhone 6s
CERXXU	iPhone 6s
CU9ME6	iPhone 6s
DRVJZK	iPhone 6s

TABLE 1

Question 33 - Examination Questions	
WebCode	Response
F2B8MH	iPhone 6s
FTHYZ7	iPhone 6s
GHGNF3	iPhone 6s
GKJRYC	iPhone 6s
GUTYYL	iPhone 6s
H2PBFZ	iPhone 6s
H73ZV4	iPhone 6s
HBE79N	Apple iPhone 6s
HU3P3M	Apple iPhone 6s
HYJXNZ	lphone 6s
K46L2A	iPhone 6s
KM3MDF	iPhone 6S
LJVR8H	iPhone 6s
LMXR8E	iPhone 6s
MBFPZ8	iPhone 6s
MG66PE	iPhone 6s
MGL48H	iPhone 6s
NZX87F	iPhone 6s
P2L2HA	iPhone 6s
P2ZPGG	Apple iPhone 6s
Q924ZW	iPhone 6s
QUYVY9	iPhone 6s
R443E9	iPhone 6s
RWH8D4	iPhone 6s
T8WLTC	iPhone 6s
TBDTEQ	iPhone 6s
TU8NRD	iPhone 6s
UECLQZ	lphone 6s
ULAGJR	iPhone 6s
UR2LG3	iPhone 6s
UZBTEQ	iPhone 6s
VTAXY4	iPhone 6s
VZ6X9Q	iPhone 6s

TABLE 1

Question 33 - Examination Questions	
WebCode	Response
WAQJVZ	iPhone 6s
WDUCPY	iPhone 6s
X3MWG6	iPhone 6s
YAXTC4	iPhone 6s
YG3J2M	iPhone 6s
YHYU2W	iPhone 6s
Z3EWAZ	iPhone 6s
ZHVRPW	iPhone 6s
ZJQBQX	iPhone 6s

Question 33: Provide the phone model name for this device (e.g., iPhone 5c, iPhone 8 Plus).

**Consensus Result:** iPhone 6s

**Expected Response Explanation:**

The phone model name was obtained by the acquiring examiner and recorded in the provided .ufd file.

**Expected Response Illustration:**

Apple\_iPhone 6s (A1633).ufd

```

ConnectionType=Cable No. 210
Date=03/07/2021 10:57:16 (-4)
Device=IPHONE
EndTime=03/07/2021 11:14:41 (-4)
ExtractionNameFromXML=Full File System (checkm8)
ExtractionType=FileSystem
FullName=iPhone 6s (A1633)
GUID=E399A682-753C-4E76-A5A8-DB8EAF6BEA64
InternalBuild=7.44.0.205
MachineName=
Model=iPhone 6s (A1633)
UfdVer=1.2
UnitId=153336290
UserName=
Vendor=Apple
Version=7.44.0.205

```

TABLE 1

## Question 34 - Examination Questions

Question 34: What is the model number of this phone (e.g., a1529, a1864)?

Manufacturer's A1633

Expected Response:

WebCode	Response
2AWPX6	A1633
2KBJBJ	A1633
32HXAT	A1633
34LVJZ	A1633
3CD7TV	A1633
3KRXJT	a1633
3WM4CR	A1633
4RLKNX	A1633
6NJ3N9	a1633
6WYMAU	A1633
6ZW4MN	A1633
6ZXX7U	A1633
767LJV	A1633
79N3AE	A1633
7DJNFX	A1633
7Q4CDZ	A1633
8LTJXV	A1633
8TPDVU	A1633
9KBRMP	A1633
ANAMKJ	a1633
AR6EQU	A1633
BCDUU8	A1633 (N71AP)
BCR32M	A1633 (N71AP)
BFT9FT	a1633
BGL2BB	A1633
BQABJ6	A1633
C9NUAG	A1633
CERXXU	A1633
CU9ME6	A1633
DRVJZK	A1633

TABLE 1

Question 34 - Examination Questions	
WebCode	Response
F2B8MH	N71AP
FTHYZ7	A1633
GHGNF3	A1633 (N71AP)
GKJRYC	A1633
GUTYYL	A1633
H2PBFZ	A1633
H73ZV4	a1633
HBE79N	A1633
HU3P3M	A1633
HYJXNZ	A1633
K46L2A	A1633
KM3MDF	a1633
LJVR8H	a1633
LMXR8E	A1633
MBFPZ8	A1633
MG66PE	A1633
MGL48H	A1633
NZX87F	A1633
P2L2HA	a1633
P2ZPGG	A1633
Q924ZW	A1633
QUYVY9	a1633
R443E9	A1633
RWH8D4	A1633
T8WLTC	A1633
TBDTEQ	A1633
TU8NRD	A1633
UECLQZ	A1633
ULAGJR	A1633
UR2LG3	A1633
UZBTEQ	A1633
VTAXY4	A1633
VZ6X9Q	N71AP (A1633)



TABLE 1

Question 34 - Examination Questions	
WebCode	Response
WAQJVZ	a1633
WDUCPY	A1633
X3MWG6	A1633
YAXTC4	a1633
YG3J2M	A1633
YHYU2W	A1633 device name N71AP model number
Z3EWAZ	A1633
ZHVRPW	A1633
ZJQBQX	a1633

Question 34: What is the model number of this phone (e.g., a1529, a1864)?

**Consensus Result:** A1633

**Expected Response Explanation:**

The phone model number was obtained by the acquiring examiner and recorded in the provided .ufd file.

**Expected Response Illustration:**

Apple\_iPhone 6s (A1633).ufd

```

ConnectionType=Cable No. 210
Date=03/07/2021 10:57:16 (-4)
Device=IPHONE
EndTime=03/07/2021 11:14:41 (-4)
ExtractionNameFromXML=Full File System (checkm8)
ExtractionType=FileSystem
FullName=iPhone 6s (A1633)
GUID=E399A682-753C-4E76-A5A8-DB8EAF6BEA64
InternalBuild=7.44.0.205
MachineName=
Model=iPhone 6s (A1633)
UfdVer=1.2
UnitId=153336290
UserName=
Vendor=Apple
Version=7.44.0.205

```

TABLE 1

## Question 35 - Examination Questions

Question 35: What version of iOS was running on this iPhone?

Manufacturer's 13.5.1

Expected Response:

WebCode	Response
2AWPX6	13.5.1
2KBJBJ	13.5.1
32HXAT	13.5.1
34LVJZ	13.5.1
3CD7TV	iOS 13.5.1
3KRXJT	iOS 13.5.1
3WM4CR	13.5.1
4RLKNX	13.5
6NJ3N9	13.5.1
6WYMAU	13.5.1
6ZW4MN	13.5.1
6ZXX7U	13.5.1
767LJV	13.5.1
79N3AE	13.5.1
7DJNFX	13.5.1
7Q4CDZ	iOS 13.5.1
8LTJXV	13.5.1
8TPDVU	Version 13.5
9KBRMP	13.5.1
ANAMKJ	13.5.1
AR6EQU	13.5.1
BCDUU8	13.5.1
BCR32M	13.5.1
BFT9FT	13.5.1
BGL2BB	13.5.1
BQABJ6	13.5.1
C9NUAG	13.5.1
CERXXU	13.5.1
CU9ME6	iOS 13.5.1
DRVJZK	13.5.1

TABLE 1

Question 35 - Examination Questions	
WebCode	Response
F2B8MH	13.5
FTHYZ7	13.5.1
GHGNF3	13.5.1
GKJRYC	13.5.1
GUTYYL	iOS 9
H2PBFZ	13.5.1
H73ZV4	iOS 13.5.1
HBE79N	Doesn't say on this extraction
HU3P3M	13.5.1
HYJXNZ	iPhone OS 13.5.1 (17F80)
K46L2A	13.5.1
KM3MDF	iOS 13.5
LJVR8H	13.5.1
LMXR8E	13.5.1
MBFPZ8	13.5.1
MG66PE	13.5.1
MGL48H	13.5.1
NZX87F	13.5.1
P2L2HA	13.5
P2ZPGG	13.5
Q924ZW	13.5.1
QUVY9	13.5.1
R443E9	8.1
RWH8D4	13.5.1
T8WLTC	13.5.1
TBDTEQ	13.5.1
TU8NRD	13.5.1
UECLQZ	13.5.1
ULAGJR	iOS 13.5.1
UR2LG3	13.5.1
UZBTEQ	13.5.1
VTAXY4	15.3.1
VZ6X9Q	Version 13.5.1 (Build 17F80)

TABLE 1

Question 35 - Examination Questions	
WebCode	Response
WAQJVZ	13.5.1
WDUCPY	v. 13.5.1
X3MWG6	13.5.1
YAXTC4	13.5.1
YG3J2M	13.5.1
YHYU2W	iOS version: 13.5.1
Z3EWAZ	13.5.1
ZHVRPW	13.5.1
ZJQBQX	13.5.1

**Question 35:** What version of iOS was running on this iPhone?

**Consensus Result:** 13.5.1

**Expected Response Explanation:**

Information regarding the version of the operating system installed on this device can be found using the following path: /private/var/installd/Library/MobileInstallation/LastBuildInfo.plist.

**Expected Response Illustration:**

**LastBuildInfo.plist**

Key	Type	Value
SystemImageID	STRING	7A7B927C-D2D2-4EB
Version	STRING	Version
ProductVersion	STRING	13.5.1

TABLE 1

## Question 36 - Examination Questions

Question 36: What is the MAC address for the Wi-Fi radio on this phone?

Manufacturer's 44:18:FD:1A:CD:9D

Expected Response:

WebCode	Response
2AWPX6	44:18:FD:1A:CD:9D
2KBJBJ	I have not been able to identify the MAC address
32HXAT	44:18:FD:1A:CD:9D
34LVJZ	30:5A:3A:C3:2E:E1
3CD7TV	44:18:FD:1A:CD:9D
3KRXJT	44:18:FD:1A:CD:9D
3WM4CR	44:18:FD:1A:CD:9D
4RLKNX	44:18:FD:1A:CD:9D
6NJ3N9	44:18:FD:1A:CD:9D
6WYMAU	44:18:FD:1A:CD:9D
6ZW4MN	44:18:FD:1A:CD:9D
6ZXX7U	44:18:FD:1A:CD:9D
767LJV	44:18:FD:1A:CD:9D
79N3AE	44:18:FD:1A:CD:9D
7DJNFX	b4:5d:50:1b:cf:e1
7Q4CDZ	44:18:FD:1A:CD:9D
8LTJXV	44:18:FD:1A:CD:9D
8TPDVU	44:18:FD:1A:CD:9D
9KBRMP	44:18:FD:1A:CD:9D
ANAMKJ	44:18:FD:1A:CD:9D
AR6EQU	30:5a:3a:c3:2e:e1
BCDUU8	44:18:FD:1A:CD:9D
BCR32M	44:18:FD:1A:CD:9D
BFT9FT	44:18:FD:1A:CD:9D
BGL2BB	44:18:FD:1A:CD:9D
BQABJ6	44:18:FD:1A:CD:9D
C9NUAG	44:18:FD:1A:CD:9D
CERXXU	44:18:FD:1A:CD:9D
CU9ME6	44:18:FD:1A:CD:9D
DRVJZK	44:18:FD:1A:CD:9D

TABLE 1

Question 36 - Examination Questions	
WebCode	Response
F2B8MH	44:18:FD:1A:CD:9D
FTHYZ7	44:18:FD:1A:CD:9D
GHGNF3	44:18:FD:1A:CD:9D
GKJRYC	44:18:FD:1A:CD:9D
GUTYYL	44:18:FD:1A:CD:9D
H2PBFZ	This laboratory does not provide this service.
H73ZV4	44:18:FD:1A:CD:9D
HBE79N	44:18:FD:1A:CD:9D
HU3P3M	44:18:FD:1A:CD:9D
HYJXNZ	44:18:FD:1A:CD:9D
K46L2A	44:18:FD:1A:CD:9D
KM3MDF	44:18:FD:1A:CD:9D
LJVR8H	44:18:FD:1A:CD:9D
LMXR8E	44:18:FD:1A:CD:9D
MBFPZ8	44:18:FD:1A:CD:9D
MG66PE	44:18:FD:1A:CD:9D
MGL48H	44:18:FD:1A:CD:9D
NZX87F	44:18:FD:1A:CD:9D
P2L2HA	44:18:FD:1A:CD:9D
P2ZPGG	44:18:FD:1A:CD:9D
Q924ZW	44:18:fd:1a:cd:9d
QUVY9	44:18:FD:1A:CD:9D
R443E9	44:18:FD:1A:CD:9D
RWH8D4	44:18:FD:1A:CD:9D
T8WLTC	44:18:FD:1A:CD:9D
TBDTEQ	44:18:FD:1A:CD:9D
TU8NRD	44:18:FD:1A:CD:9D
UECLQZ	44:18:FD:1A:CD:9D
ULAGJR	44:18:FD:1A:CD:9D
UR2LG3	44:18:FD:1A:CD:9D
UZBTEQ	44:18:FD:1A:CD:9D
VTAXY4	44:18:FD:1A:CD:9D
VZ6X9Q	44:18:FD:1A:CD:9D

TABLE 1

Question 36 - Examination Questions	
WebCode	Response
WAQJVZ	44:18:FD:1A:CD:9D
WDUCPY	44:18:FD:1A:CD:9D
X3MWG6	44:18:FD:4A:CD:9D
YAXTC4	44:18:FD:1A:CD:9D
YG3J2M	44:18:FD:1A:CD:9D
YHYU2W	44:18:FD:1A:CD:9D
Z3EWAZ	44:18:FD:1A:CD:9D
ZHVRPW	44:18:FD:1A:CD:9D
ZJQBQX	44:18:FD:1A:CD:9D

**Question 36:** What is the MAC address for the Wi-Fi radio on this phone?

**Consensus Result:** 44:18:FD:1A:CD:9D

**Expected Response Explanation:**

The MAC address for the Wi-Fi radio is stored in /private/var/preferences/SystemConfiguration/NetworkInterfaces.plist.

**Expected Response Illustration:**

NetworkInterfaces.plist

```
dict = {
  Interfaces : array = [
    dict = {
      IOInterfaceNamePrefix : AsciiString = en
      IOPathMatch : AsciiString = IOService:/AppleARMPE/a
      IOMACAddress : data = 44 18 FD 1A CD 9D
      Active : boolean = True
      IOInterfaceUnit : integer = 0
      SCNetworkInterfaceType : AsciiString = IEEE80211
      IOBuiltin : boolean = True
      IOInterfaceType : integer = 6
      SCNetworkInterfaceInfo : dict = {
        UserDefinedName : AsciiString = Wi-Fi
        BSD Name : AsciiString = en0
      }
    }
  ]
}
```

TABLE 1

**Question 37 - Examination Questions**

**Question 37: What is the password for the Skynet Wi-Fi network?**

Manufacturer's skynettenyks

Expected Response:

WebCode	Response
2AWPX6	skynettenyks
2KBJBJ	skynettenyks
32HXAT	skynettenyks
34LVJZ	Skynettenyks
3CD7TV	no password
3KRXJT	skynettenyks
3WM4CR	skynettenyks
4RLKNX	skynettenyks
6NJ3N9	skynettenyks
6WYMAU	skynettenyks
6ZW4MN	skynettenyks
6ZX7U	skynettenyks
767LJV	skynettenyks
79N3AE	skynettenyks
7DJNFX	skynettenyks
7Q4CDZ	None listed
8LTJXV	skynettenyks
8TPDVU	skynettenyks
9KBRMP	skynettenyks
ANAMKJ	skynettenyks
AR6EQU	skynettenyks
BCDUU8	skynettenyks
BCR32M	Skynettenyks
BFT9FT	skynettenyks
BGL2BB	skynettenyks
BQABJ6	skynettenyks
C9NUAG	skynettenyks
CERXXU	skynettenyks
CU9ME6	skynettenyks
DRVJZK	skynettenyks



TABLE 1

Question 37 - Examination Questions	
WebCode	Response
F2B8MH	skynettenyks
FTHYZ7	skynettenyks
GHGNF3	skynettenyks
GKJRYC	skynettenyks
GUTYYL	skynettenyks
H2PBFZ	skynettenyks
H73ZV4	skynettenyks
HBE79N	skynettenyks
HU3P3M	skynettenyks
HYJXNZ	skynettenyks
K46L2A	skynettenyks
KM3MDF	skynettenyks
LJVR8H	skynettenyks
LMXR8E	skynettenyks
MBFPZ8	skynettenyks
MG66PE	skynettenyks
MGL48H	skynettenyks
NZX87F	skynettenyks
P2L2HA	skynettenyks
P2ZPGG	Skynettenyks
Q924ZW	skynettenyks
QUYVY9	skynettenyks
R443E9	skynettenyks
RWH8D4	skynettenyks
T8WLTC	skynettenyks
TBDTEQ	skynettenyks
TU8NRD	skynettenyks
UECLQZ	skynettenyks
ULAGJR	skynettenyks
UR2LG3	skynettenyks
UZBTEQ	skynettenyks
VTAXY4	Skynettenyks
VZ6X9Q	skynettenyks

TABLE 1

Question 37 - Examination Questions	
WebCode	Response
WAQJVZ	Skynettenyks
WDUCPY	skynettenyks
X3MWG6	skynettenyks
YAXTC4	skynettenyks
YG3J2M	skynettenyks
YHYU2W	The password is: skynettenyks
Z3EWAZ	skynettenyks
ZHVRPW	skynettenyks
ZJQBQX	skynettenyks

**Question 37: What is the password for the Skynet Wi-Fi network?**

**Consensus Result:** skynettenyks

**Expected Response Explanation:**

Wi-Fi passwords stored in the device keychain (backup\_keychain\_v2.plist, provided with the extraction) can be extracted using Cellebrite PA or another forensic tool with similar capabilities.

**Expected Response Illustration:**

**Cellebrite Passwords Table**

The screenshot shows a table titled "Passwords (513)" with columns for Account, Data, and Service. The "Skynet" entry is highlighted, showing the password "skynettenyks" and the service "AirPort".

Account	Data	Service
Skynet	skynettenyks	AirPort
SOSUserCredential	d"4SùbG²n³fyàkkR°5	

TABLE 1

## Question 38 - Examination Questions

**Question 38:** Give the name of the .plist file that contains the text string j5a0jTc9S10

**Manufacturer's** com.google.ios.youtube.plist, or

**Expected Response:** /private/var/mobile/Containers/Data/Application/EE3042A0-1989-4185-8E04-62C620911021/Library/Preferences/com.google.ios.youtube.plist

WebCode	Response
2AWPX6	com.google.ios.youtube.plist
2KBJBJ	com.google.ios.youtube.plist
32HXAT	com.google.ios.youtube.plist
34LVJZ	com.google.ios.youtube.plist
3CD7TV	com.google.ios.youtube.plist
3KRXJT	com.google.ios.youtube.plist
3WM4CR	com.google.ios.youtube.plist
4RLKNX	com.google.ios.youtube.plist
6NJ3N9	com.google.ios.youtube.plist
6WYMAU	com.google.ios.youtube.plist
6ZW4MN	youtube.plist
6ZXX7U	com.google.ios.youtube.plist
767LJV	com.google.ios.youtube.plist
79N3AE	com.google.ios.youtube.plist
7DJNFX	com.google.ios.youtube.plist
7Q4CDZ	**see comments**
8LTJXV	com.google.ios.youtube.plist
8TPDVU	com.google.ios.youtube.plist
9KBRMP	com.google.ios.youtube.plist
ANAMKJ	com.google.ios.youtube.plist
AR6EQU	com.google.ios.youtube.plist
BCDUU8	com.google.ios.youtube.plist
BCR32M	com.google.ios.youtube.plist
BFT9FT	com.google.ios.youtube.plist
BGL2BB	com.google.ios.youtube.plist
BQABJ6	com.google.ios.youtube.plist
C9NUAG	com.google.ios.youtube.plist
CERXXU	com.google.ios.youtube.plist
CU9ME6	com.google.ios.youtube.plist
DRVJZK	com.google.ios.youtube.plist

TABLE 1

Question 38 - Examination Questions	
WebCode	Response
F2B8MH	com.google.ios.youtube.plist
FTHYZ7	com.google.ios.youtube.plist
GHGNF3	com.google.ios.youtube.plist
GKJRYC	com.google.ios.youtube.plist
GUTYYL	DataLibDataModel.sqlite-wal
H2PBFZ	com.google.ios.youtube.plist
H73ZV4	com.google.ios.youtube.plist
HBE79N	Not listed.
HU3P3M	com.google.ios.youtube.plist
HYJXNZ	Could not found
K46L2A	com.google.ios.youtube.plist
KM3MDF	com.google.ios.youtube.plist
LJVR8H	com.google.ios.youtube.plist
LMXR8E	com.google.ios.youtube.plist
MBFPZ8	com.google.ios.youtube.plist
MG66PE	com.google.ios.youtube.plist
MGL48H	com.google.ios.youtube.plist
NZX87F	com.google.ios.youtube.plist
P2L2HA	com.google.ios.youtube.plist
P2ZPGG	com.google.ios.youtube.plist
Q924ZW	com.google.ios.youtube.plist
QUYVY9	com.google.ios.youtube.plist
R443E9	Keychain Dump
RWH8D4	com.google.ios.youtube.plist
T8WLTC	com.google.ios.youtube.plist
TBDTEQ	com.google.ios.youtube.plist
TU8NRD	com.google.ios.youtube.plist
UECLQZ	com.google.ios.youtube.plist
ULAGJR	com.google.ios.youtube.plist
UR2LG3	com.google.ios.youtube.plist
UZBTEQ	com.google.ios.youtube.plist
VTAXY4	com.google.ios.youtube.plist
VZ6X9Q	Youtube.plist

TABLE 1

Question 38 - Examination Questions	
WebCode	Response
WAQJVZ	com.google.ios.youtube.plist
WDUCPY	com.google.ios.youtube.plist
X3MWG6	com.google.ios.youtube.plist
YAXTC4	com.google.ios.youtube.plist
YG3J2M	com.google.ios.youtube.plist
YHYU2W	com.google.ios.youtube.plist
Z3EWAZ	com.google.ios.youtube.plist
ZHVRPW	com.google.ios.youtube.plist
ZJQBQX	com.google.ios.youtube.plist

**Question 38:** Give the name of the .plist file that contains the text string j5a0jTc9S10

**Consensus Result:** com.google.ios.youtube.plist, or  
 /private/var/mobile/Containers/Data/Application/EE3042A0-1989-4185-8E04-62C620911021  
 /Library/Preferences/com.google.ios.youtube.plist

**Expected Response Explanation:**

A keyword search across the contents of the extraction will find the string in file com.google.ios.youtube.plist.

**Expected Response Illustration:**

com.google.ios.youtube.plist

Key	Type	Value
offline_state_gel_has_video	BOOLEAN	<input type="checkbox"/>
thumbnail_metrics_when_to	NUMBER	0.499
crash_restore_video_id	STRING	j5a0jTc9S10
last selected identity	DICTIONARY	

# Additional Comments

TABLE 2

WebCode	Additional Comments
2KBJBJ	In a real case I would refer back to the case officer for further guidance on questions 28, 30 and 36.
32HXAT	The question asking you to determine the RESET date of the device with the caveat of "Based on the time zone settings of the device" is misleading. The time zone information indicates when the device reached out to determine the time zone upon SETUP of the device, not upon RESET of the device. The date of RESET is different than the SETUP of the device post-reset.
767LJV	It would help if CTS would provide the format that they would like the answers to be in.
7DJNFX	What is the radio app? :) The iPhone Mac is 44:18:FD:1A:CD:9D, but i don't know iPhone radio
7Q4CDZ	31 - time on extraction report shows a 21:46pm. 17 - we would not delve into data bases to find this information. Handset would be reviewed. 30 - we would not delve into data bases to find this information. Handset would be reviewed. 38 - we generally dont use plists.
GHGNF3	For number 12, the question was a little unclear to me being that the email (gmail) was not used to send the email, but it was the one that received it. Also your file is corrupted.
HYJXNZ	No comment so far. The test was great.
K46L2A	There is some ambiguity in Question 4. Full File System, File System, AFU (After First Unlock), and/or "checkm8" could all be considered acceptable responses for what type of extraction produced the dataset. Wording used for Question 12 was poorly chosen. Assuming expected response for when the user emailed themselves should relate to the date and time the referenced email was received by the Gmail account vice the date and time the referenced email was sent by the iCloud (Apple) account, which appears to have occurred ~5 seconds earlier. Format of expected response for Question 21 was not specified. Response variation should be expected for Question 22 due to the natural differences in descriptions that will likely be provided by test participants.
MGL48H	Question 20 may have two answers. First one is May 26, 2021 if we answer in (UTC+0), May 25-26, 2021 if (UTC-4)
P2ZPGG	In several questions it is not clear what is required to get the question 'right'. Example is Q12. Format, does this mean UTC+1 or UTC+0? Not very fair when the correct answer has been found.
R443E9	Extraction (UFD) file data integrity Corrupt. Consistent problems with extractions provided and results.
WAQJVZ	This proficiency is not a reflection of actual casework conducted at this agency.

-End of Report-  
(Appendix may follow)