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FORENSIC TESTING PROGRAM

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Mobile Digital Evidence - iOS Analysis
Test No. 19-5551 Summary Report

Participants were provided with data yielded from a logical extraction of an iPhone. They were asked to analyze the data and answer scenario based questions utilizing their own tools and methods. Data was returned from 71 participants and are compiled in the following tables:

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 smartphone in .tar format. 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 murder for hire case was created to generate user data on the evidence iOS device. The execution of the scripted crime took place in the month of August (2019). An iPhone 6s smartphone was used to perform the activities and generate the intended artifacts.

The phone data was acquired through a logical extraction of the smartphone utilizing Cellebrite software. Following sample validation, the phone data was converted into a .tar compressed file. This file was uploaded to the CTS portal for participants to download. MD5 and SHA-1 algorithms were run on the compressed zip file to generate unique hash values to allow participants to validate the successful download of the files.

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. Laboratories that conducted analysis during predistribution reported consistent results.

SCENARIO PROVIDED TO PARTICIPANTS

On August 30, 2019, an investigation was launched into a murder for hire case. Jimmy Burg, the owner and operator of a salvage and disposal company is being investigated as a suspect in this case and his iPhone has been seized as evidence. A logical image of the iPhone was created and you have been tasked with analyzing the forensic image of this iPhone utilizing your own tools and methods to find any evidence that could be of interest to the police.

Manufacturer's Information, continued

Question	Manufacturer's Expected Response
1	Provide the SHA256 Hash for the extraction (tar) archive file? *7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811*
2	What is the model of this phone? *iPhone 6s*
3	What is the version of the operating system on this phone? *12.3.1*
4	What is the set time zone for this phone? Provide both the state and country. *America/New_York*
5	What is the ICCID number associated with this phone? *8901260073936326720*
6	Provide the Device Phone Number (MSISDN). *15714409768*
7	What is the language setting for this phone? *en_US*
8	Was icloud backup enabled? *Yes (True)*
9	Provide the AppleID associated with this phone. *jimmyburg.uci@gmail.com*
10	What is the name of the last WiFi Hotspot connected to this phone? *RCMP Surveillance Moose*
11	Provide the BSSID of the hhonors WiFi Hotspot? *38:ff:36:23:3c:cc*
12	What is the make and model of the automobile paired with the phone bluetooth? *Toyota Camry*
13	What is the name of the non-native (i.e. non-apple) email client? *Gmail*
14	What version is the non-native (i.e. non-apple) email client? *6.0.190630.934822*

Manufacturer's Information, continued

Question	Manufacturer's Expected Response
15	What is the address associated with the non-native (i.e. non-apple) email client? *jimmyburg.uci@gmail.com*
16	What is the address associated with the native (i.e. apple) email client? *jimmyburg1@outlook.com*
17	How many messages were received from the phone number associated with the contact listed as "Wifey"? *Four (4)*
18	What is the account number for the device mobile service (cellular provider)? *923266454*
19	How many unread SMS messages are on the phone? *Three (3)*
20	What is the significance of 01647042? *LocalBitcoins confirmation code*
21	What contact (name) has the phone number "(571) 339-4848" listed as a "Home Number"? *Russ Buffalo*
22	From what number did the phone miss a call on 23 August 2019? *18004248802*
23	What contact (name) called the phone on 15 August 2019? *Louis Epps*
24	How many outgoing calls were made from this phone? *Seven (7)*
25	What was the date and time of the last outgoing call? Provide the answer in the time zone set for the device using the following format: MM/DD/YYYY HH:MM AM/PM. *08/25/2019 08:18 PM*
26	What brand mayonaise does the user's spouse request? *Hellmans*
27	What cryptocurrency related app is installed on this phone? *BitPay*
28	To what address was the user instructed to send bitcoin? *372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ*

Manufacturer's Information, continued

Question	Manufacturer's Expected Response
29	How many other parties did the user communicate with using WhatsApp? *Two (2)*
30	What is the location for the last photo received via WhatsApp? Provide the latitude and longitude. *38.660320, -76.417215*
31	How much does the user weigh? *114.75 Kilograms*
32	What is the username and password for the user's Starbucks account? *jimmyburg@outlook.com, st@rBuck$&@1*
33	What was the name of the last location searched using the Waze application? *IAD Blue Economy Parking Lot*
34	What is the address listed as Home in the Waze application? *Woodridge Pkwy, 44050, Leesburg, VA, United States*
35	Other than Home, what is the name of the other favorited waze location? *Starbucks*
36	Was the flash used to take IMG_0010.JPG? *Yes*
37	What model camera was used to capture photo "IMG_0010.JPG"? *LGMS428*
38	What did the user last search on eBay? *dumpsters*
39	What phone number did the user search using Google? *18004248802*
40	To what organization does the phone number reported in Question #39 belong? *United States Environmental Protection Agency (EPA) National Response Center*

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 in .tar file format, 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: image details, phone and network settings, applications, communications, web browser history, and Geo-Location information.

All 40 questions reached a consensus when formatting differences and a few software tool-related variations were considered. For question 16, where participants were asked to report the address associated with the native (apple) email client, a consensus was achieved however, 13 participants reported the gmail email address. Of these, eight also reported this gmail address for question 15 where they were asked to provide the address associated with the non-native email client. The gmail account was only accessed with the gmail application and not with the native apple email application.

Comments received in this test were concerning question ambiguity. We recognize that some questions may not have clearly-defined answers. We are looking at ways to improve the reporting process and appreciate the feedback. As always, participants should follow their laboratory's policies and procedures when evaluating the MDE proficiency test questions.

Digital Evidence Responses

TABLE 1

Question 1 - Acquisition Information

Question 1: Provide the SHA256 Hash for the extraction (tar) archive file?

Manufacturer's Expected Response: 7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811

WebCode	Response
3LERK2	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
3YKPN2	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
46JNM6	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
4G6TT9	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
6BJMBY	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
6MMJRA	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
6RZ9AX	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
744YHH	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
7A88GY	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
7KADMJ	SHA-256 Hash: 7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
7VATPG	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
8LF8WN	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
8RNJWV	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
8WGVNL	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
977MZ6	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
9BJCHU	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
9EHQ6J	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
9JQA7W	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
9MCVYK	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
A27XW4	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
A3YXRT	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
AHTC3V	The SHA256 Hash value for the extraction (tar) archive file is "7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811".
APW8BV	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
BLQ4ZJ	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
BTBEVZ	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
C37YJK	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
DGAFDT	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811

TABLE 1

Question 1 - Acquisition Information	
WebCode	**Response**
DVAGRE	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
E98X8E	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
EQC6LG	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
EXRYKJ	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
F8Q3XR	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
FGGLKD	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
GC2LMD	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
GFHXG9	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
H7BBCE	SHA256: 7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
HAV669	SHA256 7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
HCGC3B	SHA256: 7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
HMYLYG	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
HT8ZPT	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
JFW4T4	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
JPKMHA	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
JQZ26C	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
KDQN9J	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
KGLKQH	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
LVG9E3	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
M2MH3A	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
M6LTXA	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
MH4TK3	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
MVHEGH	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
NQY2QE	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
PHGUNF	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
PRMLA4	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
QR7Z2E	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
QXTVXC	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
R9BM7L	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
RLTQZV	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
RLW29L	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
RUK7PY	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811

TABLE 1

Question 1 - Acquisition Information	
WebCode	**Response**
TNUXYE	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
TRYCW6	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
UH6Q4C	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
UJZG4Y	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
UYA3RV	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
UYKKD3	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
V87BX8	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
W99J9C	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811
XNWCEU	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
YGZRWZ	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
ZB77MC	7326580b4f3cb1c84c242b092c9217e3ae964a2c1fd2282cb4ed51bd75d91811
ZGQEKM	7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811

Question 1: Provide the SHA256 Hash for the extraction (tar) archive file?

Consensus Result: 7326580B4F3CB1C84C242B092C9217E3AE964A2C1FD2282CB4ED51BD75D91811

Expected Response Explanation:

The extraction tool used provides this value in the extraction summary or it can be calculated with a separate tool. This hash value can be achieved by extracting the sample image file from the provided ZIP folder and running a SHA256 hashing algorithm on the file.

Expected Response Illustration:

SHA256 Hash Value:

TABLE 1

Question 2 - Device Information

Question 2: What is the model of this phone?

Manufacturer's Expected Response: iPhone 6s

WebCode	Response
3LERK2	iPhone 8,1 MN1E2 (retail name = iPhone 6s)
3YKPN2	iPhone8,1
46JNM6	MN1E2 (iPhone 6s)
4G6TT9	iPhone 6s
6BJMBY	iPhone8 (MN1E2)
6MMJRA	iPhone 6s
6RZ9AX	iPhone 6s, MN1E2
744YHH	iPhone 6s
7A88GY	MN1E2
7KADMJ	iPhone 6s
7VATPG	iPhone 6S
8LF8WN	Apple iPhone 6S
8RNJWV	model name is iPhone 6s (HardwareModel = N71AP and ModelNumber = MN1E2)
8WGVNL	iPhone 6s
977MZ6	iPhone 6s
9BJCHU	iPhone 6s
9EHQ6J	iPhone 6s MN1E2
9JQA7W	MN1E2
9MCVYK	iPhone 6s
A27XW4	MN1E2
A3YXRT	iPhone8,1
AHTC3V	The model of this phone is "iphone6s(iphone8,1)".
APW8BV	iPhone 6s
BLQ4ZJ	iPhone 6s
BTBEVZ	iPhone 6s
C37YJK	iPhone 6s
DGAFDT	iPhone 8.1
DVAGRE	Iphone 6s
E98X8E	Product Type: iPhone8,1 ModelNumber: MN1E2
EQC6LG	MN1E2 iPhone 6s

TABLE 1

Question 2 - Device Information	
WebCode	**Response**
EXRYKJ	iPhone 6S
F8Q3XR	Apple iPhone 6s
FGGLKD	Detected Model = iPhone 6s, Model Number = MN1E2
GC2LMD	iPhone 6s
GFHXG9	iPhone 6s
H7BBCE	iPhone Model: iPhone 6s iPhone Model Identifier: iPhone8,1 Model number: MN1E2
HAV669	iPhone 6s
HCGC3B	iPhone 6s MN1E2 – Space grey iphone, 32GB
HMYLYG	iPhone 6s
HT8ZPT	iPhone 6s
JFW4T4	MN1E2
JPKMHA	iPhone 6s
JQZ26C	iPhone 6s
KDQN9J	iPhone 6s
KGLKQH	MN1E2
LVG9E3	iPhone 6s
M2MH3A	MN1E2
M6LTXA	iPhone 6s
MH4TK3	iPhone 6s
MVHEGH	Apple iPhone 6s (A1633/MN1E2)
NQY2QE	iPhone 6s
PHGUNF	Apple iPhone 6s (MN1E2)
PRMLA4	iPhone 6s
QR7Z2E	Phone 6s
QXTVXC	iPhone 6s, MN1E2
R9BM7L	iPhone8,1
RLTQZV	iPhone 6s
RLW29L	iPhone 6s
RUK7PY	iPhone 6s
TNUXYE	iphone 6s
TRYCW6	iPhone 6s
UH6Q4C	MN1E2

TABLE 1

Question 2 - Device Information	
WebCode	**Response**
UJZG4Y	iPhone 6s
UYA3RV	iPhone 6s
UYKKD3	iPhone 6s
V87BX8	iPhone 6s
W99J9C	iPhone 6s
XNWCEU	iPhone 6S, (A1688) MN1E2 32GB (manifest and device_values.plist files)
YGZRWZ	iPhone 6s
ZB77MC	iPhone 6s
ZGQEKM	iPhone 6s, MN1E2

Question 2: What is the model of this phone?

Consensus Result: iPhone 6s or MN1E2 or iPhone 8,1

Expected Response Explanation:

The expected response was iPhone 6s however, without specifying in the question "model name", participants also reported the model number: MN1E2 and/or the product (device) type: iPhone 8,1. These responses were also accepted. Information regarding the model name of this device is noted in "AppleDevice_AdvancedLogical.ufd".

Expected Response Illustration:

Phone Model Name

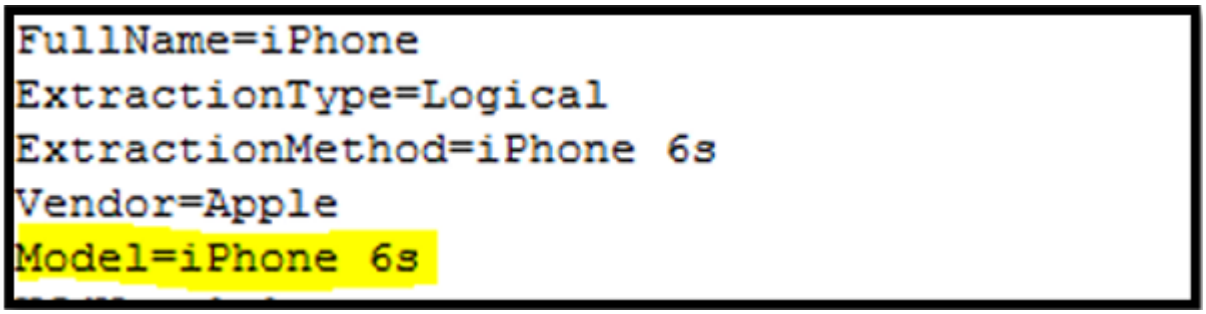


TABLE 1

Question 3 - Device Information

Question 3: What is the version of the operating system on this phone?

Manufacturer's Expected Response: 12.3.1

WebCode	Response
3LERK2	12.3.1
3YKPN2	12.3.1
46JNM6	12.3.1
4G6TT9	12.3.1
6BJMBY	12.3.1
6MMJRA	12.3.1
6RZ9AX	12.3.1
744YHH	12.3.1
7A88GY	12.3.1
7KADMJ	12.3.1
7VATPG	12.3.1
8LF8WN	12.3.1
8RNJWV	apple ios 12.3.1
8WGVNL	12.3.1
977MZ6	12.3.1
9BJCHU	12.3.1
9EHQ6J	12.3.1
9JQA7W	12.3.1
9MCVYK	iOS 12.3.1
A27XW4	12.3.1
A3YXRT	12.3.1
AHTC3V	The version of the operating system on this phone is "12.3.1".
APW8BV	12.3.1
BLQ4ZJ	12.3.1
BTBEVZ	12.3.1
C37YJK	12.3.1
DGAFDT	iOS 12.3.1
DVAGRE	iOS 12.3.1
E98X8E	12.3.1
EQC6LG	12.3.1

TABLE 1

Question 3 - Device Information	
WebCode	**Response**
EXRYKJ	12.3.1
F8Q3XR	12.3.1
FGGLKD	12.3.1
GC2LMD	iOS 12.3.1
GFHXG9	12.3.1
H7BBCE	12.3.1
HAV669	12.3.1
HCGC3B	12.3.1
HMYLYG	12.3.1
HT8ZPT	12.3.1
JFW4T4	12.3.1
JPKMHA	12.3.1
JQZ26C	12.3.1
KDQN9J	12.3.1
KGLKQH	12.3.1
LVG9E3	12.3.1
M2MH3A	12.3.1
M6LTXA	12.3.1
MH4TK3	12.3.1
MVHEGH	iOS 12.3.1
NQY2QE	12.3.1
PHGUNF	12.3.1
PRMLA4	12.3.1
QR7Z2E	12.3.1
QXTVXC	12.3.1
R9BM7L	12.3.1
RLTQZV	12.3.1
RLW29L	iOS 12.3.1
RUK7PY	12.3.1
TNUXYE	12.3.1
TRYCW6	12.3.1
UH6Q4C	12.3.1

TABLE 1

Question 3 - Device Information	
WebCode	**Response**
UJZG4Y	12.3.1
UYA3RV	12.3.1
UYKKD3	12.3.1
V87BX8	12.3.1
W99J9C	12.3.1
XNWCEU	iOS 12.3.1 (Build Version 16F203) (device_values.plist and Info.plist files)
YGZRWZ	12.3.1
ZB77MC	12.3.1
ZGQEKM	12.3.1

Question 3: What is the version of the operating system on this phone?

Consensus Result: 12.3.1

Expected Response Explanation:

Information regarding the version of the operating system installed on this device can be found using the following path: /Lockdown/device_values.plist : 1 0x10A4 0x6 DeviceInfoOSVersion.

Expected Response Illustration:

OS Version

TABLE 1

Question 4 - Device Information

Question 4: What is the set time zone for this phone? Provide both the state and country.

Manufacturer's Expected Response: America/New_York

WebCode	Response
3LERK2	UTC-05:00 New York (America)
3YKPN2	New York (America)
46JNM6	(UTC-5:00) New-York (America)
4G6TT9	America/New_York
6BJMBY	America/New_York
6MMJRA	America/New_York
6RZ9AX	America/New_York
744YHH	(UTC-05:00) New_York (America)
7A88GY	America/New_York
7KADMJ	America/New York
7VATPG	(utc-05:00)New York (America)
8LF8WN	New_York (America)
8RNJWV	New_York and America
8WGVNL	New_York (America)
977MZ6	(UTC-05:00) New_York (America)
9BJCHU	(UTC-05:00) New_York (America)
9EHQ6J	(UTC -5:00) New_York (America)
9JQA7W	(UTC-05:00) New_York (America)
9MCVYK	UTC-5:00 New_York(America)
A27XW4	America/New_York
A3YXRT	(UTC-05:00) New_York (America)
AHTC3V	The set time zone for this phone is (UTC-05:00) The State:New_York / Country:America.
APW8BV	New_York (America)
BLQ4ZJ	(UTC-05:00) New_York (America)
BTBEVZ	(UTC-05:00) New_York (America)
C37YJK	(UTC-05:00) New_York (America)
DGAFDT	New_York / America
DVAGRE	UTC-5 New_York (AMERICA)
E98X8E	America/New_York
EQC6LG	(UTC-05:00) New_York (America)

TABLE 1

Question 4 - Device Information	
WebCode	**Response**
EXRYKJ	New_York (America)
F8Q3XR	(UTC-05:00) New_York (America)
FGGLKD	(UTC-05:00) New_York (America).
GC2LMD	UTC-5:00 New_York (America)
GFHXG9	(UTC-05:00) New_York (United States of America)
H7BBCE	Extraction Summary: (UTC-05:00) New_York (America) File format viewer: America/New_York
HAV669	(UTC-05:00) New_York (America)
HCGC3B	(UTC-05:00) New_York (America)
HMYLYG	(UTC-05:00) New_York (America)
HT8ZPT	(UTC-05:00) New_York (America)
JFW4T4	(UTC - 05:00) New York (America)
JPKMHA	(UTC-05:00) New York (America)
JQZ26C	(UTC-05:00) New_York (America)
KDQN9J	America/New_York
KGLKQH	(UTC-05:00) New_York (America)
LVG9E3	New_York (America)
M2MH3A	(UTC-05:00) New_York (America)
M6LTXA	New York, America
MH4TK3	(UTC-05:00) New_York (America)
MVHEGH	(UTC-05:00) New_York (America)
NQY2QE	America/New_York
PHGUNF	Eastern Standard Time (UTC-05:00) New York (America)
PRMLA4	(UTC-05:00) New_York (America)
QR7Z2E	(UTC-05:00) New_York (America)
QXTVXC	America/New_York
R9BM7L	America/New_York
RLTQZV	New York, USA
RLW29L	New York America
RUK7PY	New_York (America)
TNUXYE	UTC-5:00 New_York (America)
TRYCW6	America/New_York
UH6Q4C	(UTC-05:00) New_York (America)

TABLE 1

Question 4 - Device Information	
WebCode	**Response**
UJZG4Y	(UTC-05:00) New_York (America)
UYA3RV	UTC -05:00 New York, America
UYKKD3	(UTC-05:00) New_York (America)
V87BX8	(UTC-05:00) New_York (America)
W99J9C	America/New_York
XNWCEU	New_York /America. (UTC -05:00) (manifest and device_values.plist files) However, as this analysis is performed in December , then the UTC offset may be different from extraction time to todays time and date , ie, at time of extraction likely to have been UTC-04:00 (refer to CoreFileSystemFileSystemNodeModifyTime setting of 26th August 2019 10:33:02(UTC+0) as opposed to device setting of TimeZoneOffsetFromUTC set to 14:40 which is the 4 hour difference) Last Backup time setting in Info.plist states 14:33:23 which corroborates the above synopsis
YGZRWZ	New_York/America
ZB77MC	(UTC-05:00) New_York (America)
ZGQEKM	New_York (America)

Question 4: What is the set time zone for this phone? Provide both the state and country.

Consensus Result: America/New_York and all other responses that represent the same time zone.

Expected Response Explanation:

The time zone set on this device can be found in the device_values.plist. It can also be verified by looking at the time stamps of various data including Email, Call Log, and Text Messages.

Expected Response Illustration:

Time Zone

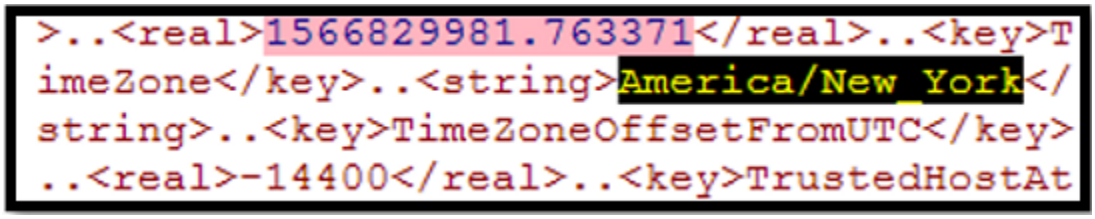


TABLE 1

Question 5 - Device Information

Question 5: What is the ICCID number associated with this phone?

Manufacturer's Expected Response: 8901260073936326720

WebCode	Response
3LERK2	8901260073936326720
3YKPN2	8901260073936326720
46JNM6	8901260073936326720
4G6TT9	8901260073936326720
6BJMBY	8901260073936326720
6MMJRA	8901260073936326720
6RZ9AX	8901260073936326720
744YHH	8901260073936326720
7A88GY	8901260073936326720
7KADMJ	8901260073936326720
7VATPG	8901260073936326720
8LF8WN	8901260073936326720
8RNJWV	8901260073936326720
8WGVNL	8901260073936326720
977MZ6	8901260073936326720
9BJCHU	8901260073936326720
9EHQ6J	89012600736326720
9JQA7W	8901260073936326720
9MCVYK	8901260073936326720
A27XW4	8901260073936326720
A3YXRT	8901260073936326720
AHTC3V	The ICCID is "8901260073936326720".
APW8BV	8901260073936326720
BLQ4ZJ	8901260073936326720
BTBEVZ	8901260073936326720
C37YJK	8901260073936326720
DGAFDT	8901260073936326720
DVAGRE	8901260073936326720
E98X8E	8901260073936326720
EQC6LG	8901260073936326720

TABLE 1

Question 5 - Device Information	
WebCode	**Response**
EXRYKJ	8901260073936326720
F8Q3XR	8901260073936326720
FGGLKD	8901260073936326720
GC2LMD	8901260073936326720
GFHXG9	8901260073936326720
H7BBCE	8901260073936326720
HAV669	8901260073936326720
HCGC3B	8901260073936326720
HMYLYG	8901260073936326720
HT8ZPT	8901260073936326720
JFW4T4	8901260073936326720
JPKMHA	8901260073936326720
JQZ26C	8901260073936326720
KDQN9J	8901260073936326720
KGLKQH	8901260073936326720
LVG9E3	8901260073936326720
M2MH3A	8901260073936326720
M6LTXA	8901260073936326720
MH4TK3	8901260073936326720
MVHEGH	8901260073936326720
NQY2QE	8901260073936326720
PHGUNF	8901260073936326720
PRMLA4	8901260073936326720
QR7Z2E	8901260073936326720
QXTVXC	8901260073936326720
R9BM7L	8901260073936326720
RLTQZV	8901260073936326720
RLW29L	8901260073936326720
RUK7PY	8901260073936326720
TNUXYE	8901260073936326720
TRYCW6	8901260073936326720
UH6Q4C	8901260073936326720

TABLE 1

Question 5 - Device Information	
WebCode	**Response**
UJZG4Y	8901260073936326720
UYA3RV	8901260073936326720
UYKKD3	8901260073936326720
V87BX8	8901260073936326720
W99J9C	8901260073936326720
XNWCEU	8901260073936326720 (info.plist ,manifest and device_values.plist files)
YGZRWZ	8901260073936326720
ZB77MC	8901260073936326720
ZGQEKM	8901260073936326720

Question 5: What is the ICCID number associated with this phone?

Consensus Result: 8901260073936326720

Expected Response Explanation:

The unique Integrated Circuit Card Identifier (ICCID) can be found within the Info.plist file.

Expected Response Illustration:

ICCID

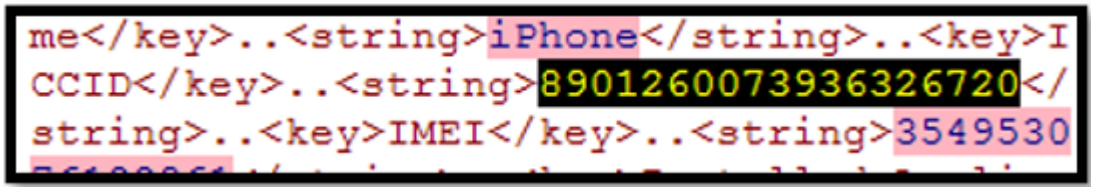


TABLE 1

Question 6 - Device Information

Question 6: Provide the Device Phone Number (MSISDN).

Manufacturer's Expected Response: 15714409768

WebCode	Response
3LERK2	15714409768
3YKPN2	15714409768
46JNM6	1 (571) 440-9768
4G6TT9	1 (571) 440-9768
6BJMBY	1 (571) 440-9768
6MMJRA	15714409768
6RZ9AX	15714409768
744YHH	15714409768
7A88GY	1 (571) 440-9768
7KADMJ	15714409768
7VATPG	15714409768
8LF8WN	1 (571) 440-9768
8RNJWV	15714409768
8WGVNL	1 (571) 440-9768
977MZ6	1 (571) 440-9768
9BJCHU	1 (571) 440-9768
9EHQ6J	1 (571) 440-9768
9JQA7W	1 (571) 440-9768
9MCVYK	1 (571)440-9768
A27XW4	15714409768
A3YXRT	1 (571) 440-9768
AHTC3V	The Device Phone Number(MSISDN) is "15714409768".
APW8BV	1 (571) 440-9768
BLQ4ZJ	15714409768
BTBEVZ	15714409768
C37YJK	15714409768
DGAFDT	1 (571) 440-9768
DVAGRE	1(571)440-9768
E98X8E	1 (571) 440-9768
EQC6LG	1(571)440-9768

TABLE 1

Question 6 - Device Information	
WebCode	**Response**
EXRYKJ	1 (571) 440-9768
F8Q3XR	15714409768
FGGLKD	15714409768
GC2LMD	1 (571) 440-9768
GFHXG9	1 (571) 440-9768
H7BBCE	1 (571) 440-9768
HAV669	15714409768
HCGC3B	15714409768
HMYLYG	15714409768
HT8ZPT	15714409768
JFW4T4	1(571) 440-9768
JPKMHA	15714409768
JQZ26C	1 (571) 440-9768
KDQN9J	15714409768
KGLKQH	15714409768
LVG9E3	15714409768
M2MH3A	1 (571) 440-9768
M6LTXA	15714409768
MH4TK3	1 (571) 440-9768
MVHEGH	15714409768
NQY2QE	15714409768
PHGUNF	1 (571) 440-9768
PRMLA4	1 (571) 440-9768
QR7Z2E	15714409768
QXTVXC	15714409768
R9BM7L	15714409768
RLTQZV	1 (571) 440-9768
RLW29L	15714409768
RUK7PY	1 (571) 440-9768
TNUXYE	1571-440-9768
TRYCW6	15714409768
UH6Q4C	1 (571) 440-9768

TABLE 1

Question 6 - Device Information	
WebCode	**Response**
UJZG4Y	1 (571) 440-9768
UYA3RV	15714409768
UYKKD3	1 (571) 440-9768
V87BX8	1 (571) 440-9768
W99J9C	15714409768
XNWCEU	1 (571) 440-9768 (Info.plist)
YGZRWZ	1 (571) 440-9768
ZB77MC	15714409768
ZGQEKM	1 (571) 440-9768

Question 6: Provide the Device Phone Number (MSISDN).

Consensus Result: 15714409768

Expected Response Explanation:

The Device Phone Number (MSISDN) can be found using the following path: /Backup/Info.plist: 1 0x57B 0x10 MSISDN.

Expected Response Illustration:

MSISDN

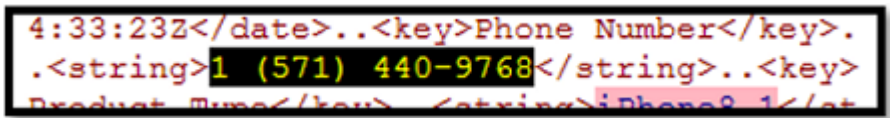


TABLE 1

Question 7 - Device Information

Question 7: What is the language setting for this phone?

Manufacturer's Expected Response: en_US

WebCode	Response
3LERK2	en_US
3YKPN2	en_US
46JNM6	en_US
4G6TT9	en_US
6BJMBY	English
6MMJRA	en_US
6RZ9AX	en_US, English
744YHH	en_US
7A88GY	en_US
7KADMJ	en-US
7VATPG	en_US
8LF8WN	English
8RNJWV	en-US
8WGVNL	en_US
977MZ6	en_US
9BJCHU	U.S. English (en_US)
9EHQ6J	en_US
9JQA7W	en_US
9MCVYK	en_US
A27XW4	en_US
A3YXRT	en-US
AHTC3V	The language setting for this phone is "en_US".
APW8BV	en_US
BLQ4ZJ	en_US
BTBEVZ	en_US
C37YJK	en_US
DGAFDT	en_US /english
DVAGRE	en_us
E98X8E	en_US
EQC6LG	en_US

TABLE 1

Question 7 - Device Information	
WebCode	**Response**
EXRYKJ	en_US
F8Q3XR	en_US
FGGLKD	en_US (English - US)
GC2LMD	en_US
GFHXG9	en_US
H7BBCE	Extraction summary: en_US File format viewer: en-US
HAV669	en_US
HCGC3B	en_US
HMYLYG	en_US
HT8ZPT	en_US
JFW4T4	en-us
JPKMHA	English
JQZ26C	en_US
KDQN9J	en_US
KGLKQH	en_US
LVG9E3	en_US
M2MH3A	en_US
M6LTXA	en_US
MH4TK3	en_US
MVHEGH	en_US (English_United States)
NQY2QE	en_US
PHGUNF	en_US (English-USA)
PRMLA4	en_US
QR7Z2E	en_US
QXTVXC	en_US, English
R9BM7L	en_US
RLTQZV	en_US
RLW29L	en_US
RUK7PY	en_US
TNUXYE	en_US
TRYCW6	en_US
UH6Q4C	en_US

TABLE 1

Question 7 - Device Information	
WebCode	**Response**
UJZG4Y	en_US
UYA3RV	En_US (English, United States)
UYKKD3	en_US
V87BX8	en_US
W99J9C	en_US
XNWCEU	en_US (device_values.plist)
YGZRWZ	en-US
ZB77MC	en_US
ZGQEKM	en_US

Question 7: What is the language setting for this phone?

Consensus Result: en_US or English

Expected Response Explanation:

The language setting of this device can be found using the following path: /Lockdown/device_values.plist: 1 0xE94B 0x5 DeviceInfoLocaleLanguage.

Expected Response Illustration:

Language Setting

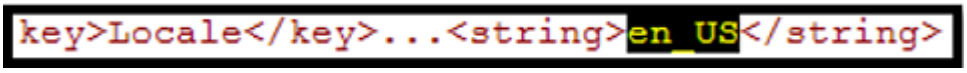


TABLE 1

Question 8 - Device Information

Question 8: Was icloud backup enabled?

Manufacturer's Expected Response: Yes (True)

WebCode	Response
3LERK2	Yes
3YKPN2	yes
46JNM6	True
4G6TT9	Yes
6BJMBY	Yes
6MMJRA	Yes
6RZ9AX	Yes
744YHH	True
7A88GY	True
7KADMJ	Yes
7VATPG	Yes
8LF8WN	Yes
8RNJWV	Yes
8WGVNL	Yes
977MZ6	Yes
9BJCHU	Yes
9EHQ6J	true
9JQA7W	True
9MCVYK	True
A27XW4	Yes
A3YXRT	Yes
AHTC3V	The "icloud backup" was enabled.
APW8BV	Yes
BLQ4ZJ	True
BTBEVZ	True (yes)
C37YJK	True
DGAFDT	Yes
DVAGRE	True
E98X8E	Yes
EQC6LG	True

TABLE 1

Question 8 - Device Information	
WebCode	**Response**
EXRYKJ	Yes
F8Q3XR	True or Yes
FGGLKD	Yes
GC2LMD	True
GFHXG9	True
H7BBCE	True (Yes)
HAV669	True
HCGC3B	Yes
HMYLYG	Yes
HT8ZPT	Yes (setting is True)
JFW4T4	True
JPKMHA	True
JQZ26C	TRUE
KDQN9J	True
KGLKQH	True
LVG9E3	yes
M2MH3A	True
M6LTXA	yes
MH4TK3	True
MVHEGH	True
NQY2QE	True
PHGUNF	Yes
PRMLA4	True
QR7Z2E	yes
QXTVXC	Yes
R9BM7L	True
RLTQZV	Yes
RLW29L	Yes
RUK7PY	Yes
TNUXYE	Yes
TRYCW6	Yes
UH6Q4C	Yes

TABLE 1

Question 8 - Device Information	
WebCode	**Response**
UJZG4Y	True
UYA3RV	Yes
UYKKD3	Yes
V87BX8	True
W99J9C	True
XNWCEU	Yes (set to True in the device_values.plist file)
YGZRWZ	True
ZB77MC	Yes
ZGQEKM	Yes

Question 8: Was icloud backup enabled?

Consensus Result: Yes (True)

Expected Response Explanation:

The icloud backup setting for this device can be found using the following path: /Lockdown/device_values.plist.

Expected Response Illustration:

plist file cloud information

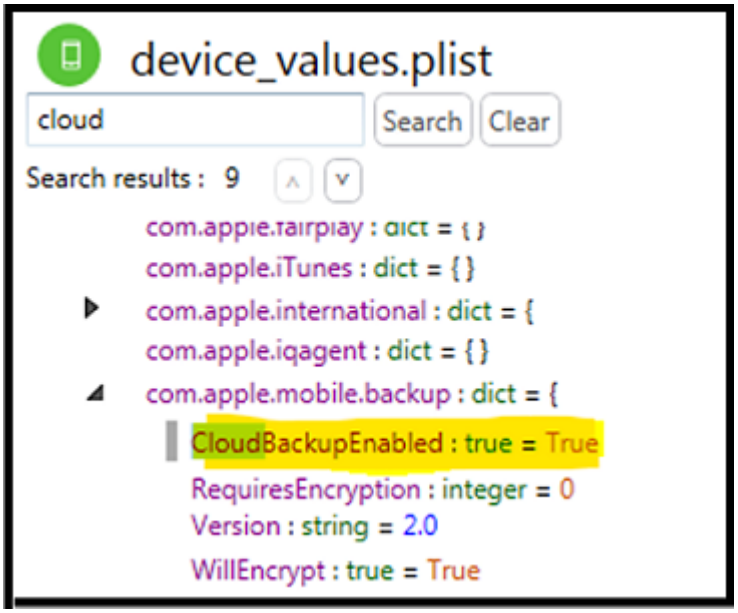


TABLE 1

Question 9 - Device Information

Question 9: Provide the AppleID associated with this phone.

Manufacturer's Expected Response: jimmyburg.uci@gmail.com

WebCode	Response
3LERK2	jimmyburg.uci@gmail.com
3YKPN2	jimmyburg.uci@gmail.com
46JNM6	jimmyburg.uci@gmail.com
4G6TT9	jimmyburg.uci@gmail.com
6BJMBY	jimmyburg.uci@gmail.com
6MMJRA	jimmyburg.uci@gmail.com
6RZ9AX	jimmyburg.uci@gmail.com
744YHH	jimmyburg.uci@gmail.com
7A88GY	jimmyburg.uci@gmail.com
7KADMJ	jimmyburg.uci@gmail.com
7VATPG	jimmyburg.uci@gmail.com
8LF8WN	jimmyburg.uci@gmail.com
8RNJWV	jimmyburg.uci@gmail.com
8WGVNL	jimmyburg.uci@gmail.com
977MZ6	jimmyburg.uci@gmail.com
9BJCHU	jimmyburg.uci@gmail.com
9EHQ6J	jimmyburg.uci@gmail.com
9JQA7W	jimmyburg.uci@gmail.com
9MCVYK	jimmyburg.uci@gmail.com
A27XW4	jimmyburg.uci@gmail.com
A3YXRT	jimmyburg.uci@gmail.com
AHTC3V	The AppleID for this phone is "jimmyburg.uci@gmail.com".
APW8BV	jimmyburg.uci@gmail.com
BLQ4ZJ	jimmybury.uci@gmail.com
BTBEVZ	jimmyburg.uci@gmail.com
C37YJK	jimmyburg.uci@gmail.com
DGAFDT	jimmyburg.uci@gmail.com
DVAGRE	Jimmyburg.uci@gmail.com
E98X8E	jimmyburg.uci@gmail.com
EQC6LG	jimmyburg.uci@gmail.com

TABLE 1

Question 9 - Device Information	
WebCode	**Response**
EXRYKJ	jimmyburg.uci@gmail.com
F8Q3XR	jimmyburg.uci@gmail.com
FGGLKD	jimmyburg.uci@gmail.com
GC2LMD	jimmyburg.uci@gmail.com
GFHXG9	jimmyburg.uci@gmail.com
H7BBCE	jimmyburg.uci@gmail.com
HAV669	jimmyburg.uci@gmail.com
HCGC3B	jimmyburg.uci@gmail.com
HMYLYG	jimmyburg.uci@gmail.com
HT8ZPT	jimmyburg.uci@gmail.com
JFW4T4	jimmyburg.uci@gmail.com
JPKMHA	jimmyburg.uci@gmail.com
JQZ26C	jimmyburg.uci@gmail.com
KDQN9J	jimmyburg.uci@gmail.com
KGLKQH	jimmyburg.uci@gmail.com
LVG9E3	jimmyburg.uci@gmail.com
M2MH3A	jimmyburg.uci@gmail.com
M6LTXA	jimmyburg.uci@gmail.com
MH4TK3	jimmyburg.uci@gmail.com
MVHEGH	jimmyburg.uci@gmail.com
NQY2QE	jimmyburg.uci@gmail.com
PHGUNF	jimmyburg.uci@gmail.com
PRMLA4	jimmyburg.uci@gmail.com
QR7Z2E	jimmyburg.uci@gmail.com
QXTVXC	jimmyburg.uci@gmail.com
R9BM7L	jimmyburg.uci@gmail.com
RLTQZV	jimmyburg.uci@gmail.com
RLW29L	jimmyburg.uci@gmail.com
RUK7PY	jimmyburg.uci@gmail.com
TNUXYE	jimmyburg.uci@gmail.com
TRYCW6	jimmyburg.uci@gmail.com
UH6Q4C	jimmyburg.uci@gmail.com

TABLE 1

Question 9 - Device Information	
WebCode	**Response**
UJZG4Y	jimmyburg.uci@gmail.com
UYA3RV	jimmyburg.uci@gmail.com
UYKKD3	jimmyburg.uci@gmail.com
V87BX8	jimmyburg.uci@gmail.com
W99J9C	jimmyburg.uci@gmail.com
XNWCEU	jimmyburg.uci@gmail.com (Accounts3.sqlite)
YGZRWZ	jimmyburg.uci@gmail.com
ZB77MC	jimmyburg.uci@gmail.com
ZGQEKM	jimmyburg.uci@gmail.com

Question 9: Provide the AppleID associated with this phone.

Consensus Result: jimmyburg.uci@gmail.com

Expected Response Explanation:

The AppleID associated with this device can be found using the following path: /var/mobile/Library/Accounts/Accounts3.sqlite: 1 0x5F28 0x17 DeviceInfoAppleID.

Expected Response Illustration:

AppleID

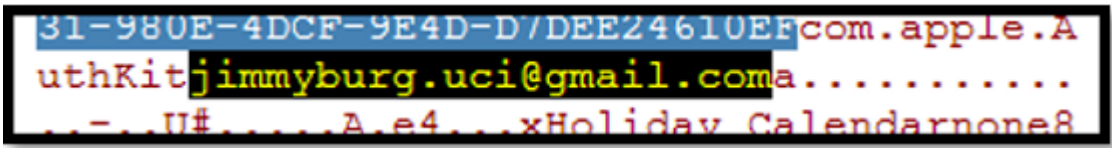


TABLE 1

Question 10 - Device Information

Question 10: What is the name of the last WiFi Hotspot connected to this phone?

Manufacturer's Expected Response: RCMP Surveillance Moose

WebCode	Response
3LERK2	RCMP Surveillance Moose
3YKPN2	RCMP Surveillance Moose
46JNM6	RCMP Surveillance Moose
4G6TT9	RCMP Surveillance Moose
6BJMBY	RCMP Surveillance Moose
6MMJRA	RCMP Surveillance Moose
6RZ9AX	RCMP Surveillance Moose
744YHH	RCMP Surveillance Moose
7A88GY	RCMP Surveillance Moose
7KADMJ	RCMP Surveillance Moose
7VATPG	RCMP Surveillance Moose
8LF8WN	RCMP Surveillance Moose
8RNJWV	RCMP Surveillance Moose
8WGVNL	RCMP Surveillance Moose
977MZ6	RCMP Surveillance Moose
9BJCHU	RCMP Surveillance Moose
9EHQ6J	RCMP Surveillance Moose
9JQA7W	RCMP Surveillance Moose
9MCVYK	RCMP Surveillance Moose
A27XW4	RCMP Surveillance Moose
A3YXRT	RCMP Surveillance Moose
AHTC3V	The name of the last WiFi Hotspot connected to this phone is "RCMP Surveillance Moose".
APW8BV	RCMP Surveillance Moose
BLQ4ZJ	RCMP Surveillance Moose
BTBEVZ	RCMP Surveillance Moose
C37YJK	RCMP Surveillance Moose
DGAFDT	Google Starbucks
DVAGRE	RCMP Surveillance Moose
E98X8E	RCMP Surveillance Moose
EQC6LG	RCMP Surveillance Moose

TABLE 1

Question 10 - Device Information	
WebCode	**Response**
EXRYKJ	RCMP Surveillance Moose
F8Q3XR	RCMP Surveillance Moose
FGGLKD	RCMP Surveillance Moose
GC2LMD	RCMP Surveillance Moose
GFHXG9	RCMP Surveillance Moose
H7BBCE	RCMP Surveillance Moose
HAV669	RCMP Surveillance Moose
HCGC3B	Auto connected to SSID: RCMP Surveillance Moose
HMYLYG	RCMP Surveillance Moose
HT8ZPT	RCMP Surveillance Moose
JFW4T4	RCMP Surveillance Moose
JPKMHA	RCMP Surveillance Moose
JQZ26C	RCMP Surveillance Moose
KDQN9J	RCMP Surveillance Moose
KGLKQH	RCMP Surveillance Moose
LVG9E3	RCMP Surveillance Moose
M2MH3A	SSID: RCMP Surveillance Moose
M6LTXA	RCMP Surveillance Moose
MH4TK3	RCMP Surveillance Moose
MVHEGH	Google Starbucks
NQY2QE	RCMP Surveillance Moose
PHGUNF	RCMP Surveillance Moose
PRMLA4	RCMP Surveillance Moose
QR7Z2E	RCMP Surveillance Moose
QXTVXC	RCMP Surveillance Moose
R9BM7L	RCMP Surveillance Moose
RLTQZV	RCMP Surveillance Moose
RLW29L	RCMP Surveillance Moose
RUK7PY	RCMP Surveillance Moose
TNUXYE	RCMP Surveillance Moose
TRYCW6	RCMP Surveillance Moose
UH6Q4C	RCMP Surveillance Moose

TABLE 1

Question 10 - Device Information	
WebCode	**Response**
UJZG4Y	RCMP Surveillance Moose
UYA3RV	RCMP Surveillance Moose
UYKKD3	RCMP Surveillance Moose
V87BX8	RCMP Surveillance Moose
W99J9C	RCMP Surveillance Moose
XNWCEU	RCMP Surveillance Moose (iPhone/var/preferences/SystemConfiguration/com.apple.wifi.plist)
YGZRWZ	RCMP Surveillance Moose
ZB77MC	RCMP Surveillance Moose
ZGQEKM	RCMP Surveillance Moose

Question 10: What is the name of the last WiFi Hotspot connected to this phone?

Consensus Result: RCMP Surveillance Moose

Expected Response Explanation:

Information regarding the last WiFi Hotspot this device was connected to can be found using the following path: iPhone/var/preferences/SystemConfiguration/com.apple.wifi.plist: 0x4A8.

Expected Response Illustration:

WiFi Hotspot (SSId)

	Timestamp	BSSID	SSId
☑	8/25/2019 10:38 PM(UTC-4)	40:4e:36:83:9c:1c	RCMP Surveillance Moose
☑	8/24/2019 03:58 PM(UTC-4)		Google Starbucks
☑	8/24/2019 03:58 PM(UTC-4)	24:DE:C6:64:9F:88	Google Starbucks

TABLE 1

Question 11 - Device Information

Question 11: Provide the BSSID of the hhonors WiFi Hotspot?

Manufacturer's Expected Response: 38:ff:36:23:3c:cc

WebCode	Response
3LERK2	38:ff:36:23:3c:cc
3YKPN2	38:ff:36:23:3c:cc
46JNM6	38:ff:36:23:3c:cc
4G6TT9	38:ff:36:23:3c:cc
6BJMBY	38:ff:36:23:3c:cc
6MMJRA	38:ff:36:23:3c:cc
6RZ9AX	38:ff:36:23:3c:cc
744YHH	38:ff:36:23:3c:cc
7A88GY	38:ff:36:23:3c:cc
7KADMJ	38:ff:36:23:3c:cc
7VATPG	38:ff:36:23:3c:cc
8LF8WN	38:ff:36:23:3c:cc, however, 38:ff:36:22:ba:a8 appears in both Cellebrite and XRY.
8RNJWV	38:ff:36:23:3c:cc
8WGVNL	38:ff:36:23:3c:cc
977MZ6	38:ff:36:23:3c:cc
9BJCHU	38:ff:36:23:3c:cc
9EHQ6J	28:ff:36:23:3c:cc
9JQA7W	38:ff:36:23:3c:cc
9MCVYK	38:ff:36:23:3c:cc
A27XW4	38:ff:36:23:3c:cc
A3YXRT	38:ff:36:23:3c:cc
AHTC3V	The BSSID of the hhonors WiFi Hotspot is "38:FF:36:23:3C:CC".
APW8BV	38:ff:36:23:3c:cc
BLQ4ZJ	38:ff:36:23:3c:cc
BTBEVZ	38:ff:36:23:3c:cc
C37YJK	38:ff:36:23:3c:cc
DGAFDT	38:ff:36:23:3c:cc
DVAGRE	38:ff:36:23:3c:cc
E98X8E	38:ff:36:23:3c:cc
EQC6LG	38:ff:36:23:3c:cc

TABLE 1

Question 11 - Device Information	
WebCode	**Response**
EXRYKJ	38:ff:36:23:3c:cc
F8Q3XR	38:ff:36:23:3c:cc
FGGLKD	38:ff:36:23:3c:cc
GC2LMD	38:ff:36:23:3c:cc
GFHXG9	38:ff:36:23:3c:cc
H7BBCE	38:ff:36:23:3c:cc
HAV669	38:ff:36:23:3c:cc
HCGC3B	38:FF:36:23:3C:CC
HMYLYG	38:ff:36:23:3c:cc
HT8ZPT	38:ff:36:23:3c:cc
JFW4T4	38:FF:36:23:3c:CC
JPKMHA	38:ff:36:23:3c:cc
JQZ26C	38:ff:36:23:3c:cc
KDQN9J	38:ff:36:23:3c:cc
KGLKQH	38:ff:36:23:3c:cc
LVG9E3	38:ff:36:23:3c:cc
M2MH3A	BSSID: 38:ff:36:23:3c:cc
M6LTXA	38:ff:36:23:3c:cc
MH4TK3	38:ff:36:23:3c:cc
MVHEGH	38:FF:36:23:3C:CC
NQY2QE	38:ff:36:23:3c:cc
PHGUNF	38:ff:36:23:3c:cc
PRMLA4	40:4e:36:83:9c:1c
QR7Z2E	38:ff:36:23:3c:cc
QXTVXC	38:ff:36:23:3c:cc
R9BM7L	38:ff:36:23:3c:cc
RLTQZV	38:ff:36:23:3c:cc
RLW29L	38:ff:36:23:3c:cc
RUK7PY	38:ff:36:23:3c:cc
TNUXYE	38:ff:36:23:3c:cc
TRYCW6	38:FF:36:23:3C:CC
UH6Q4C	38:ff:36:23:3c:cc

TABLE 1

Question 11 - Device Information	
WebCode	**Response**
UJZG4Y	38:ff:36:23:3c:cc
UYA3RV	38:ff:36:23:3c:cc
UYKKD3	38:ff:36:23:3c:cc
V87BX8	40:4e:36:83:9c:1c
W99J9C	38:ff:36:23:3c:cc
XNWCEU	38:ff:36:22:ba:a8 (iPhone/var/preferences/SystemConfiguration/com.apple.wifi.plist)
YGZRWZ	38:ff:36:23:3c:cc
ZB77MC	38:FF:36:23:3C:CC
ZGQEKM	38:FF:36:23:3C:CC

Question 11: Provide the BSSID of the hhonors WiFi Hotspot?

Consensus Result: 38:ff:36:23:3c:cc

Expected Response Explanation:

The BSSID associated with the hhonors WiFi Hotspot can be found using the following path: iPhone/var/preferences/SystemConfiguration/com.apple.wifi.plist: 0x199C.

Expected Response Illustration:

BSSID

TABLE 1

Question 12 - Device Information

Question 12: What is the make and model of the automobile paired with the phone bluetooth?

Manufacturer's Expected Response: Toyota Camry

WebCode	Response
3LERK2	TOYOTA Camry
3YKPN2	TOYOTA Camry
46JNM6	TOYOTA Camry
4G6TT9	TOYOTA Camry
6BJMBY	TOYOTA Camry
6MMJRA	TOYOTA Camry
6RZ9AX	TOYOTA Camry
744YHH	TOYOTA Camry
7A88GY	TOYOTA Camry
7KADMJ	Toyota Camry
7VATPG	TOYOTA Camry
8LF8WN	Toyota Camry
8RNJWV	TOYOTA Camry
8WGVNL	TOYOTA Camry
977MZ6	Toyota Camry
9BJCHU	Toyota Camry
9EHQ6J	Toyota Camry
9JQA7W	TOYOTA Camry
9MCVYK	Toyota Camry
A27XW4	TOYOTA Camry
A3YXRT	TOYOTA Camry
AHTC3V	The make and model of the automobile paired with the phone bluetooth is "TOYOTA Camry".
APW8BV	TOYOTA Camry
BLQ4ZJ	Toyota Camry
BTBEVZ	TOYOTA Camry
C37YJK	TOYOTA Camry
DGAFDT	Toyota Camry
DVAGRE	Toyota Camry
E98X8E	TOYOTA Camry
EQC6LG	TOYOTA Camry

TABLE 1

Question 12 - Device Information	
WebCode	**Response**
EXRYKJ	TOYOTA Camry
F8Q3XR	TOYOTA Camry
FGGLKD	Toyota Camry
GC2LMD	TOYOTA Camry
GFHXG9	TOYOTA Camry
H7BBCE	TOYOTA Camry
HAV669	TOYOTA Camry
HCGC3B	Toyota Camry
HMYLYG	Toyota, Camry
HT8ZPT	TOYOTA Camry
JFW4T4	Toyota Camry
JPKMHA	Toyota Camry
JQZ26C	TOYOTA Camry
KDQN9J	TOYOTA Camry
KGLKQH	TOYOTA Camry
LVG9E3	TOYOTA Camry
M2MH3A	TOYOTA Camry
M6LTXA	Toyota Camry
MH4TK3	TOYOTA Camry
MVHEGH	TOYOTA Camry
NQY2QE	Toyota Camry
PHGUNF	TOYOTA Camry
PRMLA4	TOYOTA Camry
QR7Z2E	TOYOTA Camry
QXTVXC	TOYOTA Camry
R9BM7L	TOYOTA Camry
RLTQZV	TOYOTA Camry
RLW29L	Toyota Camry
RUK7PY	TOYOTA Camry
TNUXYE	TOYOTA Camry
TRYCW6	Toyota Camry
UH6Q4C	TOYOTA Camry

TABLE 1

Question 12 - Device Information	
WebCode	**Response**
UJZG4Y	TOYOTA Camry
UYA3RV	Toyota Camry
UYKKD3	TOYOTA Camry
V87BX8	TOYOTA Camry
W99J9C	TOYOTA Camry
XNWCEU	TOYOTA Camry (com.apple.MobileBluetooth.devices.plist)
YGZRWZ	TOYOTA Camry
ZB77MC	TOYOTA Camry
ZGQEKM	TOYOTA Camry

Question 12: What is the make and model of the automobile paired with the phone bluetooth?

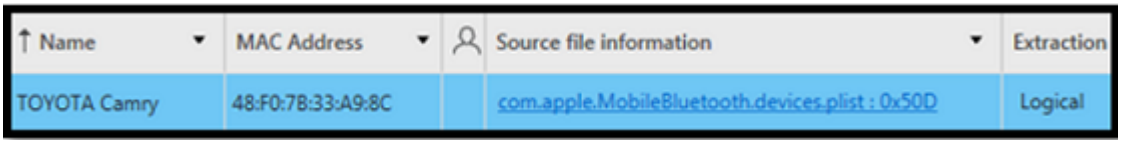
Consensus Result: Toyota Camry

Expected Response Explanation:

A list of devices paired with the phone bluetooth can be found using the following path: /SysSharedContainerDomain-systemgroup.com.apple.bluetooth/Library/Preferences/com.apple.MobileBluetooth.devices.plist: 1 0x50D 0xC BluetoothDevice.Name: TOYOTA Camry.

Expected Response Illustration:

Bluetooth Information



Name	MAC Address	Source file information	Extraction
TOYOTA Camry	48:F0:7B:33:A9:8C	com.apple.MobileBluetooth.devices.plist : 0x50D	Logical

TABLE 1

Question 13 - Phone / Messaging

Question 13: What is the name of the non-native (i.e. non-apple) email client?

Manufacturer's Expected Response: Gmail

WebCode	Response
3LERK2	Gmail
3YKPN2	Gmail
46JNM6	Gmail
4G6TT9	Gmail
6BJMBY	Gmail
6MMJRA	Gmail
6RZ9AX	Gmail
744YHH	Gmail
7A88GY	Gmail
7KADMJ	Gmail
7VATPG	Gmail.com
8LF8WN	Gmail as the email client application. Appears to have Microsoft Outlook / Hotmail account too, but no Microsoft Outlook application was observed. Could be possible that the user logged into Microsoft Outlook account through the non-native Gmail application or the native Apple Mail application.
8RNJWV	gmail
8WGVNL	Gmail
977MZ6	Gmail
9BJCHU	Gmail
9EHQ6J	Gmail
9JQA7W	Gmail
9MCVYK	Gmail
A27XW4	Gmail
A3YXRT	Gmail
AHTC3V	The name of the non-native (i.e. non-apple) email client is "Gmail".
APW8BV	Gmail
BLQ4ZJ	Gmail
BTBEVZ	Gmail
C37YJK	Gmail
DGAFDT	Gmail
DVAGRE	Gmail
E98X8E	Gmail

TABLE 1

Question 13 - Phone / Messaging	
WebCode	**Response**
EQC6LG	Gmail
EXRYKJ	Gmail
F8Q3XR	Gmail
FGGLKD	Gmail
GC2LMD	Gmail
GFHXG9	Gmail
H7BBCE	Gmail
HAV669	MobileMail
HCGC3B	Gmail com.google.Gmail | Application ID 71DFAEA9-C9FE-4D8F-84F3-DAA6C8BAE234
HMYLYG	Gmail
HT8ZPT	Gmail
JFW4T4	Gmail
JPKMHA	Jimmyburg1@gmail.com
JQZ26C	Gmail
KDQN9J	Gmail
KGLKQH	Gmail
LVG9E3	Gmail
M2MH3A	Gmail
M6LTXA	Gmail
MH4TK3	Gmail
MVHEGH	Gmail
NQY2QE	Gmail
PHGUNF	Gmail
PRMLA4	jimmyburg.uci@gmail.com
QR7Z2E	Gmail
QXTVXC	Gmail
R9BM7L	Gmail
RLTQZV	Gmail
RLW29L	Gmail
RUK7PY	Gmail
TNUXYE	Gmail (com.google.Gmail)
TRYCW6	Gmail

TABLE 1

Question 13 - Phone / Messaging	
WebCode	**Response**
UH6Q4C	Gmail
UJZG4Y	Gmail
UYA3RV	Gmail
UYKKD3	Gmail
V87BX8	Gmail
W99J9C	Gmail
XNWCEU	Gmail, v 6.0.190630.934822 , com.google.Gmail, Application ID 71DFAEA9-C9FE-4D8F-84F3-DAA6C8BAE234 (iPhone/var/containers/Bundle/Application and Manifest.plist)
YGZRWZ	Gmail
ZB77MC	Gmail
ZGQEKM	Gmail

Question 13: What is the name of the non-native (i.e. non-apple) email client?

Consensus Result: Gmail

Expected Response Explanation:

Information regarding the name of the non-native email client being used on this device can be found following this path: /Backup/Manifest.plist: 3 0xBD68 0x51 InstalledApplication.Name: Gmail.

Expected Response Illustration:

Email Client Name

Name	Version	Description	Identifier	Application ID
Gmail	6.0.190630....		com.google.Gmail	71DFAEA9-C9FE-4D8F-84F...

TABLE 1

Question 14 - Phone / Messaging

Question 14: What version is the non-native (i.e. non-apple) email client?

Manufacturer's Expected Response: 6.0.190630.934822

WebCode	Response
3LERK2	6.0.190630.934822
3YKPN2	6.0.190630.934822
46JNM6	6.0.190630.934822
4G6TT9	6.0.190630.934822
6BJMBY	6.0.190630.934822
6MMJRA	6.0.190630.934822
6RZ9AX	6.0.190630.934822
744YHH	6.0.190630.934822
7A88GY	6.0.190630.934822
7KADMJ	6.0.190630.934822
7VATPG	6.0.190630.934822
8LF8WN	6.0.190630.934822
8RNJWV	6.0.190630.934822
8WGVNL	6.0.190630.934822
977MZ6	6.0.190630.934822
9BJCHU	6.0.190630.934822
9EHQ6J	6.0.190630.934822
9JQA7W	6.0.190630.934822
9MCVYK	6.0.190630.934822
A27XW4	6.0.190630.934822
A3YXRT	6.0.190630.934822
AHTC3V	The version of the non-native (i.e. non-apple) email client is "6.0.190630.934822".
APW8BV	6.0.190630.934822
BLQ4ZJ	6.0.190630.934822
BTBEVZ	6.0.190630.934822
C37YJK	6.0.190630.934822
DGAFDT	6.0.190630.934822
DVAGRE	6.0.190630.934822
E98X8E	6.0.190630.934822
EQC6LG	6.0.190630.934822

TABLE 1

Question 14 - Phone / Messaging	
WebCode	**Response**
EXRYKJ	6.0.190630.934822
F8Q3XR	6.0.190630.934822
FGGLKD	6.0.190630.934822
GC2LMD	6.0.190630.934822
GFHXG9	6.0.190630.934822
H7BBCE	6.0.190630.934822
HAV669	3445.104.9
HCGC3B	6.0.190630.934822
HMYLYG	6.0.190630.934822
HT8ZPT	6.0.190630.934822
JFW4T4	6.0.1.90630.934822
JPKMHA	6.0.190630.934822
JQZ26C	6.0.190630.934822
KDQN9J	6.0.190630.934822
KGLKQH	6.0.190630.934822
LVG9E3	6.0.190630.934822
M2MH3A	6.0.190630.934822
M6LTXA	6.0.190630.93482
MH4TK3	6.0.190630.934822
MVHEGH	6.0.190630.934822
NQY2QE	6.0.190630.934822
PHGUNF	6.0.190630.934822
PRMLA4	6.0.190630.934822
QR7Z2E	6.0.190630.934822
QXTVXC	6.0.190630.934822
R9BM7L	6.0.190630.934822
RLTQZV	6.0.190630.934822
RLW29L	6.0.190630.934822
RUK7PY	6.0.190630.934822
TNUXYE	6.0.190630.934822
TRYCW6	6.0.190630.934822
UH6Q4C	6.0.190630.934822

TABLE 1

Question 14 - Phone / Messaging	
WebCode	**Response**
UJZG4Y	6.0.190630.934822
UYA3RV	6.0.190630.934822
UYKKD3	6.0.190630.934822
V87BX8	6.0.190630.934822
W99J9C	6.0.190630.934822
XNWCEU	v 6.0.190630.934822 (iPhone/var/containers/Bundle/Application and Manifest.plist)
YGZRWZ	6.0.190630.934822
ZB77MC	6.0.190630.934822
ZGQEKM	6.0.190630.934822

Question 14: What version is the non-native (i.e. non-apple) email client?

Consensus Result: 6.0.190630.934822

Expected Response Explanation:

Information regarding the version of the non-native email client being used on this device can be found following this path: /Backup/Manifest.plist: 2 0xBD54 0x11 InstalledApplication.Version: 6.0.190630.934822.

Expected Response Illustration:

Email Client Version

TABLE 1

Question 15 - Phone / Messaging

Question 15: What is the address associated with the non-native (i.e. non-apple) email client?

Manufacturer's Expected Response: jimmyburg.uci@gmail.com

WebCode	Response
3LERK2	jimmyburg.uci@gmail.com
3YKPN2	jimmyburg.uci@gmail.com
46JNM6	jimmyburg.uci@gmail.com
4G6TT9	jimmyburg.uci@gmail.com
6BJMBY	jimmyburg1@outlook.com
6MMJRA	jimmyburg.uci@gmail.com
6RZ9AX	jimmyburg.uci@gmail.com
744YHH	jimmyburg.uci@gmail.com
7A88GY	jimmyburg.uci@gmail.com
7KADMJ	jimmyburg.uci@gmail.com
7VATPG	jimmyburg.uci@gmail.com
8LF8WN	Going off the logic from the previous question, number 13, the non-native Gmail application email address associated is jimmyburg.uci@gmail.com
8RNJWV	jimmyburg.uci@gmail.com
8WGVNL	jimmyburg.uci@gmail.com
977MZ6	jimmyburg.uci@gmail.com
9BJCHU	jimmyburg.uci@gmail.com
9EHQ6J	jimmyburg.uci@gmail.com
9JQA7W	jimmyburg.uci@gmail.com
9MCVYK	jimmyburg.uci@gmail.com
A27XW4	jimmyburg.uci@gmail.com
A3YXRT	jimmyburg.uci@gmail.com
AHTC3V	The address associated with the non-native (i.e. non-apple) email client is "jimmyburg.uci@gmail.com".
APW8BV	jimmyburg.uci@gmail.com
BLQ4ZJ	jimmyburg.uci@gmail.com
BTBEVZ	jimmyburg.uci@gmail.com
C37YJK	jimmyburg.uci@gmail.com
DGAFDT	jimmyburg.uci@gmail.com
DVAGRE	Jimmyburg.uci@gmail.com
E98X8E	jimmyburg1@outlook.com

TABLE 1

Question 15 - Phone / Messaging	
WebCode	**Response**
EQC6LG	jimmyburg.uci@gmail.com
EXRYKJ	jimmyburg.uci@gmail.com
F8Q3XR	jimmyburg.uci@gmail.com
FGGLKD	jimmyburg.uci@gmail.com
GC2LMD	jimmyburg.uci@gmail.com
GFHXG9	jimmyburg.uci@gmail.com
H7BBCE	jimmyburg.uci@gmail.com
HAV669	jimmyburg1@outlook.com
HCGC3B	Within com.google.Gmail.plist email account associated is jimmyburg.uci@gmail.com
HMYLYG	jimmyburg.uci@gmail.com
HT8ZPT	jimmyburg.uci@gmail.com
JFW4T4	Jimmyburg.uci@gmail.com
JPKMHA	Jimmyburg.uci@gmail.com
JQZ26C	jimmyburg.uci@gmail.com
KDQN9J	jimmyburg.uci@gmail.com
KGLKQH	jimmyburg.uci@gmail.com
LVG9E3	jimmyburg.uci@gmail.com
M2MH3A	jimmyburg.uci@gmail.com
M6LTXA	jimmyburg.uci@gmail.com
MH4TK3	jimmyburg.uci@gmail.com
MVHEGH	jimmyburg.uci@gmail.com
NQY2QE	jimmyburg.uci@gmail.com
PHGUNF	jimmyburg.uci@gmail.com
PRMLA4	jimmyburg1@outlook.com
QR7Z2E	jimmyburg1@outlook.com
QXTVXC	jimmyburg.uci@gmail.com
R9BM7L	jimmyburg.uci@gmail.com
RLTQZV	jimmyburg.uci@gmail.com
RLW29L	jimmyburg.uci@gmail.com
RUK7PY	jimmyburg.uci@gmail.com
TNUXYE	jimmyburg.uci@gmail.com
TRYCW6	jimmyburg.uci@gmail.com

TABLE 1

Question 15 - Phone / Messaging	
WebCode	**Response**
UH6Q4C	jimmyburg.uci@gmail.com
UJZG4Y	jimmyburg.uci@gmail.com
UYA3RV	jimmyburg.uci@gmail.com
UYKKD3	jimmyburg.uci@gmail.com
V87BX8	jimmyburg.uci@gmail.com
W99J9C	jimmyburg.uci@gmail.com
XNWCEU	The email address is: jimmyburg.uci@gmail.com with the Google+ ID 100429960583613239888 (Path: iPhone/var/Library/Accounts/Accounts3.sqlite com.google.Gmail.plist)
YGZRWZ	jimmyburg.uci@gmail.com
ZB77MC	jimmyburg.uci@gmail.com
ZGQEKM	jimmyburg.uci@gmail.com

Question 15: What is the address associated with the non-native (i.e. non-apple) email client?

Consensus Result: jimmyburg.uci@gmail.com

Expected Response Explanation:

The address associated with the non-native email client can be found using either of the following paths: iPhone/Applications/com.google.Gmail/Library/Preferences/com.google.Gmail.plist, iPhone/Applications/group.com.google.Gmail/Library/Preferences/group.com.google.Gmail.plist.

Expected Response Illustration:

Non-native Email Address

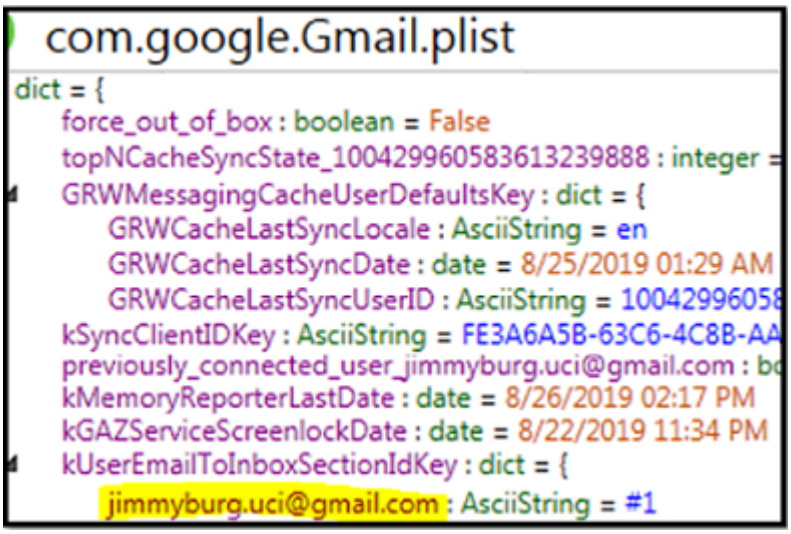


TABLE 1

Question 16 - Phone / Messaging

Question 16: What is the address associated with the native (i.e. apple) email client?

Manufacturer's Expected Response: jimmyburg1@outlook.com

WebCode	Response
3LERK2	jimmyburg1@outlook.com
3YKPN2	jimmyburg1@outlook.com
46JNM6	jimmyburg1@outlook.com
4G6TT9	jimmyburg1@outlook.com
6BJMBY	jimmyburg.uci@gmail.com
6MMJRA	jimmyburg1@outlook.com
6RZ9AX	jimmyburg1@outlook.com
744YHH	jimmyburg1@outlook.com
7A88GY	jimmyburg1@outlook.com
7KADMJ	jimmyburg1@outlook.com
7VATPG	jimmyburg1@outlook.com
8LF8WN	Going off the logic from the previous question, number 13, the native Apple Mail application email address associated is jimmyburg1@outlook.com
8RNJWV	jimmyburg.uci@gmail.com
8WGVNL	jimmyburg1@outlook.com@m.hotmail.com
977MZ6	jimmyburg1@outlook.com
9BJCHU	jimmyburg1@outlook.com
9EHQ6J	jimmyburg1@outlook.com
9JQA7W	jimmyburg.uci@gmail.com
9MCVYK	jimmyburg1@outlook.com
A27XW4	jimmyburg1@outlook.com
A3YXRT	jimmyburg1@outlook.com
AHTC3V	The address associated with the native (i.e. apple) email client is "jimmyburg1@outlook.com".
APW8BV	jimmyburg1@outlook.com
BLQ4ZJ	jimmyburg1@outlook.com
BTBEVZ	jimmyburg1@outlook.com
C37YJK	jimmyburg1@outlook.com
DGAFDT	jimmyburg1@outlook.com
DVAGRE	Jimmyburg1@outlook.com
E98X8E	jimmyburg.uci@gmail.com

TABLE 1

Question 16 - Phone / Messaging	
WebCode	**Response**
EQC6LG	jimmyburg.uci@gmail.com
EXRYKJ	jimmyburg1@outlook.com
F8Q3XR	jimmyburg1@outlook.com
FGGLKD	jimmyburg.uci@gmail.com
GC2LMD	jimmyburg1@OUTLOOK.COM
GFHXG9	jimmyburg.uci@gmail.com
H7BBCE	jimmyburg1@outlook.com
HAV669	jimmyburg.uci@gmail.com
HCGC3B	Within accounts3.sqlite |ZACCOUNT |ZUSERNAME | jimmyburg1@outlook.com
HMYLYG	jimmyburg1@outlook.com
HT8ZPT	jimmyburg1@outlook.com
JFW4T4	Jimmyburg1@outlook.com
JPKMHA	Jimmyburg1@outlook.com
JQZ26C	jimmyburg1@outlook.com
KDQN9J	jimmyburg1@outlook.com
KGLKQH	jimmyburg1@outlook.com
LVG9E3	jimmyburg1@outlook.com
M2MH3A	jimmyburg1@outlook.com
M6LTXA	jimmyburg1@outlook.com
MH4TK3	
MVHEGH	jimmyburg.uci@outlook.com
NQY2QE	jimmyburg1@outlook.com
PHGUNF	jimmyburg1@outlook.com
PRMLA4	jimmyburg.uci@gmail.com
QR7Z2E	jimmyburg.uci@gmail.com
QXTVXC	jimmyburg1@outlook.com
R9BM7L	jimmyburg1@outlook.com
RLTQZV	jimmyburg1@outlook.com
RLW29L	jimmyburg1@outlook.com
RUK7PY	jimmyburg1@outlook.com
TNUXYE	jimmyburg@outlook.com
TRYCW6	jimmyburg1@outlook.com

TABLE 1

Question 16 - Phone / Messaging	
WebCode	**Response**
UH6Q4C	jimmyburg1@outlook.com
UJZG4Y	jimmyburg.uci@gmail.com
UYA3RV	jimmyburg1@outlook.com
UYKKD3	jimmyburg.uci@gmail.com
V87BX8	jimmyburg1@outlook.com
W99J9C	jimmyburg1@outlook.com
XNWCEU	Jimmyburg1@outlook.com (iPhone/var/Library/Accounts/Accounts3.sqlite (com.apple.mobilemail))
YGZRWZ	jimmyburg1@outlook.com
ZB77MC	Jimmyburg1@outlook.com
ZGQEKM	jimmyburg.uci@gmail.com

Question 16: What is the address associated with the native (i.e. apple) email client?

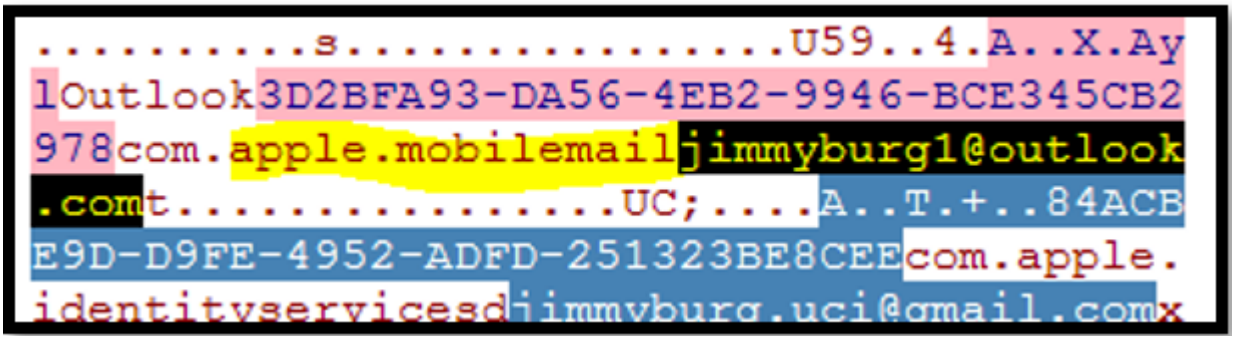
Consensus Result: jimmyburg1@outlook.com

Expected Response Explanation:

The address associated with the native email client on this device can be found using the following path: /var/mobile/Library/Accounts/Accounts3.sqlite.

Expected Response Illustration:

Native Email Address



Other Responses:

Another 13 participants reported jimmyburg.uci@gmail.com as the address associated with the native email client. The gmail account was only accessed with the gmail application and not with the native apple email application.

TABLE 1

Question 17 - Phone / Messaging

Question 17: How many messages were received from the phone number associated with the contact listed as "Wifey"?

Manufacturer's Expected Response: Four (4)

WebCode	Response
3LERK2	4 SMS messages
3YKPN2	9
46JNM6	4
4G6TT9	Four
6BJMBY	4
6MMJRA	4
6RZ9AX	Four (4)
744YHH	4
7A88GY	4
7KADMJ	9 SMS/MMS
7VATPG	4
8LF8WN	4
8RNJWV	4
8WGVNL	4
977MZ6	4
9BJCHU	4
9EHQ6J	4
9JQA7W	4
9MCVYK	4
A27XW4	4
A3YXRT	4
AHTC3V	The number of messages received from the phone number associated with the contact listed as "Wifey" were 4.
APW8BV	4
BLQ4ZJ	4
BTBEVZ	9 (1 MMS and 8 SMS)
C37YJK	Four (04)
DGAFDT	4
DVAGRE	4
E98X8E	Four

TABLE 1

Question 17 - Phone / Messaging	
WebCode	**Response**
EQC6LG	4
EXRYKJ	4
F8Q3XR	4 or Four
FGGLKD	1 x MMS, 4 x SMS = 5 in total
GC2LMD	4
GFHXG9	4
H7BBCE	4
HAV669	4 sms and 1 mms
HCGC3B	SMS Inbox x 4 messages MMS Inbox 1 x message
HMYLYG	4
HT8ZPT	4
JFW4T4	4
JPKMHA	4
JQZ26C	4 SMS
KDQN9J	4
KGLKQH	4
LVG9E3	9
M2MH3A	Four (4)
M6LTXA	4
MH4TK3	5
MVHEGH	4 SMS messages.
NQY2QE	4
PHGUNF	4
PRMLA4	4
QR7Z2E	4
QXTVXC	Four (4)
R9BM7L	4
RLTQZV	4
RLW29L	Four
RUK7PY	Four (4)
TNUXYE	4
TRYCW6	4

TABLE 1

Question 17 - Phone / Messaging	
WebCode	**Response**
UH6Q4C	4
UJZG4Y	Four
UYA3RV	4
UYKKD3	4
V87BX8	4
W99J9C	4
XNWCEU	5 received SMS/MMS from Wifey is +1 (213) 822-5916 CONTACTs Path: iPhone/var/Library/AddressBook.AddressBook.sqlitedb : Wifey is +1 (213) 822-5916 1 x MMS path : iPhone/var/Library/SMS/sms.db and iPhone/var/Library/SMS/Attachments 4 x SMS path: iPhone/var/Library/SMS/sms.db
YGZRWZ	4
ZB77MC	Four
ZGQEKM	4

Question 17: How many messages were received from the phone number associated with the contact listed as "Wifey"?

Consensus Result: Four (4)

Expected Response Explanation:

The expected response was "Four (4)" however, without specifying "SMS" in the question, some participants also included the number of MMS messages for a total of "Five (5)"; this response was also accepted. The quantity of SMS messages received from the phone number associated with the contact listed as "Wifey" can be found using the following path: iPhone/var/mobile/Library/SMS/sms.db.

Expected Response Illustration:

SMS Library

Timestamp	Read	Folder	Parties	Body
8/24/2019 09:54 AM(UTC-4)		Sent	From: +15714409768 (owner) To: +12138225916 Wifey	Ok
8/20/2019 08:36 PM(UTC-4)		Sent	From: (owner) To: +12138225916 Wifey	Not tonight babe I'm working. Don't wait up
8/20/2019 08:38 PM(UTC-4)		Drafts	From: (owner) To: +12138225916 Wifey	□
8/22/2019 05:14 PM(UTC-4)		Sent	From: (owner) To: +12138225916 Wifey	What's for dinner tonight?
8/20/2019 08:35 PM(UTC-4)	8/20/2019 08:36 PM(UTC-4)	Inbox	From: +12138225916 Wifey To: (owner)	hey hun, you comin home for dinner?
8/20/2019 08:37 PM(UTC-4)	8/20/2019 08:37 PM(UTC-4)	Inbox	From: +12138225916 Wifey To: (owner)	oh. ok 😢 see you in the morning
8/24/2019 09:52 AM(UTC-4)	8/24/2019 09:54 AM(UTC-4)	Inbox	From: +12138225916 Wifey To: +15714409768 (owner)	grocery list: 2# 80/20 ground beeg
8/24/2019 09:54 AM(UTC-4)	8/24/2019 09:54 AM(UTC-4)	Inbox	From: +12138225916 Wifey To: +15714409768 (owner)	beef martins potato rolls 2 large tomatoes 1 large

TABLE 1

Question 18 - Phone / Messaging

Question 18: What is the account number for the device mobile service (cellular provider)?

Manufacturer's Expected Response: 923266454

WebCode	Response
3LERK2	923266454
3YKPN2	310260073632672
46JNM6	923266454
4G6TT9	923266454
6BJMBY	15714409768
6MMJRA	923266454
6RZ9AX	923266454
744YHH	923266454
7A88GY	923266454
7KADMJ	923266454
7VATPG	923266454
8LF8WN	923266454
8RNJWV	Acct923266454
8WGVNL	923266454
977MZ6	923266454
9BJCHU	923266454
9EHQ6J	923266454
9JQA7W	923266454
9MCVYK	92366454
A27XW4	923266454
A3YXRT	923266454
AHTC3V	The account number for the device mobile service is 923266454(METRO by T-Mobile).
APW8BV	923266454
BLQ4ZJ	923266454
BTBEVZ	Acct923266454
C37YJK	923266454
DGAFDT	923266454
DVAGRE	923266454
E98X8E	923266454
EQC6LG	923266454

TABLE 1

Question 18 - Phone / Messaging	
WebCode	**Response**
EXRYKJ	923266454
F8Q3XR	1(571)440-9768
FGGLKD	923266454
GC2LMD	923266454
GFHXG9	923266454
H7BBCE	923266454
HAV669	923266454
HCGC3B	From SMS 11/07/2019 12:18 (UTC-4) Acc 923266454
HMYLYG	923266454
HT8ZPT	923266454
JFW4T4	89012[6007393632672]0
JPKMHA	Metro PCS 923266454
JQZ26C	923266454
KDQN9J	923266454
KGLKQH	923266454
LVG9E3	923266454
M2MH3A	Acct: 923266454 - Metro by T-Mobile
M6LTXA	923266454
MH4TK3	T-Mobile
MVHEGH	1 (571) 440-9768
NQY2QE	923266454
PHGUNF	923266454
PRMLA4	310260073632672
QR7Z2E	923266454
QXTVXC	923266454
R9BM7L	923266454
RLTQZV	923266454
RLW29L	923266454
RUK7PY	923266454
TNUXYE	923266454
TRYCW6	923266454
UH6Q4C	923266454

TABLE 1

Question 18 - Phone / Messaging	
WebCode	**Response**
UJZG4Y	310260073632672 (IMSI)
UYA3RV	923266454
UYKKD3	923266454
V87BX8	Acct923266454
W99J9C	923266454
XNWCEU	Account Numnbr is "923266454" Message from ~611 : "Thanks for your $116.83 pymt on Acc 923266454. Conf 57985908. Pymt posted on 07/01/19 11:18a. See metrobyt-mobile.com/terms" 01st July 2019 17:18 [01st July 2019 16:18 UTC] SMS path: iPhone/var/Library/SMS/sms.db
YGZRWZ	923266454
ZB77MC	923266454
ZGQEKM	923266454

Question 18: What is the account number for the device mobile service (cellular provider)?

Consensus Result: 923266454

Expected Response Explanation:

The account number for the device mobile service (cellular provider) can be found in a SMS message from the provider at the following path: /var/mobile/Library/SMS/sms.db. 2 0x3C0E8 0x7B SMS.Body: Thanks for your $116.83 pymt on Acc 923266454. Conf 57985908. Pymt posted on 07/01/19 11:18a.

Expected Response Illustration:

SMS Library

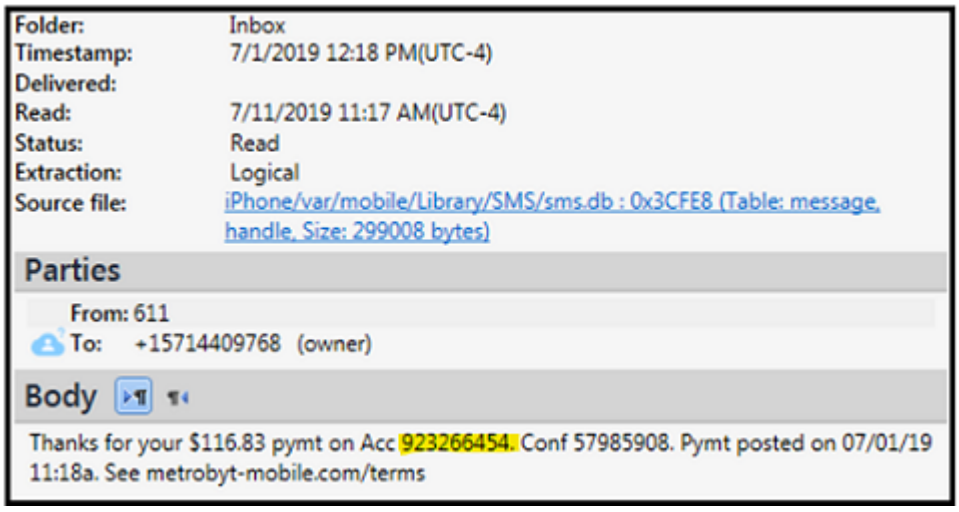


TABLE 1

Question 19 - Phone / Messaging

Question 19: How many unread SMS messages are on the phone?

Manufacturer's Expected Response: Three (3)

WebCode	Response
3LERK2	3
3YKPN2	3
46JNM6	3
4G6TT9	Three
6BJMBY	3
6MMJRA	3
6RZ9AX	Three (3)
744YHH	3
7A88GY	3
7KADMJ	3
7VATPG	3
8LF8WN	3
8RNJWV	3
8WGVNL	3
977MZ6	3
9BJCHU	3
9EHQ6J	3
9JQA7W	22
9MCVYK	3
A27XW4	3
A3YXRT	3
AHTC3V	Unread SMS messages are 3.
APW8BV	3
BLQ4ZJ	3
BTBEVZ	3
C37YJK	Three (03)
DGAFDT	3
DVAGRE	3
E98X8E	Three
EQC6LG	3

TABLE 1

Question 19 - Phone / Messaging	
WebCode	**Response**
EXRYKJ	3
F8Q3XR	3 or Three
FGGLKD	3 (Three)
GC2LMD	3
GFHXG9	3
H7BBCE	3
HAV669	3
HCGC3B	INBOX – 3 x unread
HMYLYG	3
HT8ZPT	3
JFW4T4	3
JPKMHA	3
JQZ26C	3
KDQN9J	3
KGLKQH	3
LVG9E3	3
M2MH3A	Three (3)
M6LTXA	3
MH4TK3	3
MVHEGH	3 SMS
NQY2QE	3
PHGUNF	3
PRMLA4	3
QR7Z2E	3
QXTVXC	Three (3)
R9BM7L	3
RLTQZV	3
RLW29L	Three
RUK7PY	Three (3)
TNUXYE	3
TRYCW6	3
UH6Q4C	3

TABLE 1

Question 19 - Phone / Messaging	
WebCode	**Response**
UJZG4Y	Three
UYA3RV	3
UYKKD3	3
V87BX8	3
W99J9C	3
XNWCEU	3 x unread messages in the Inbox. Path : iPhone/var/Library/SMS/sms.db
YGZRWZ	3
ZB77MC	Three
ZGQEKM	3

Question 19: How many unread SMS messages are on the phone?

Consensus Result: Three (3)

Expected Response Explanation:

The quantity of unread SMS messages on this device can be found using the following path: iPhone/var/mobile/Library/SMS/sms.db (message table)

Expected Response Illustration:

Unread SMS Messages

Timestamp	Folder	Parties	Body	Status
8/24/2019 08:46 PM(UTC-4)	Inbox	From: +16466994674 To: +15714409768	01647042...	Unread
8/23/2019 06:04 PM(UTC-4)	Inbox	From: 2962 To: +15714409768	Did you k...	Unread
8/24/2019 09:49 AM(UTC-4)	Inbox	From: 611 To: +15714409768	Please pay...	Unread

TABLE 1

Question 20 - Phone / Messaging

Question 20: What is the significance of 01647042?

Manufacturer's Expected Response: LocalBitcoins confirmation code

WebCode	Response
3LERK2	01647042 is the LocalBitcoins confirmation code.
3YKPN2	01647042 is the LocalBitcoins confirmation code.
46JNM6	01647042 is a LocalBitcoins confirmation code
4G6TT9	01647042 is your LocalBitcoins confirmation code.
6BJMBY	LocalBitcoins confirmation code
6MMJRA	LocalBitcoins confirmation code
6RZ9AX	01647042 is your LocalBitcoins confirmation code.
744YHH	LocalBitcoins confirmation code
7A88GY	01647042 is your LocalBitcoins confirmation code.
7KADMJ	LocalBitcoins confirmation code
7VATPG	LocalBitcoins confirmation code.
8LF8WN	Appears to be a crypto currency activity, “LocalBitcoins confirmation code”
8RNJWV	"01647042 is your LocalBitcoins confirmation code."
8WGVNL	LocalBitcoins confirmation code
977MZ6	LocalBitcoins confirmation code in SMS
9BJCHU	LocalBitcoins confirmation code
9EHQ6J	Local Bitcoins confirmation code
9JQA7W	01647042 is your LocalBitcoins confirmation code.
9MCVYK	LocalBitcoins confirmation code
A27XW4	01647042 is your LocalBitcoins confirmation code.
A3YXRT	LocalBitcoins confirmation code
AHTC3V	The significance of 01647042 is LocalBitcoins confirmation code.
APW8BV	LocalBitcoins confirmation code
BLQ4ZJ	SMS message "01647042 is your Local Bitcoins confirmation code"
BTBEVZ	01647042 is your LocalBitcoins confirmation code.
C37YJK	LocalBitcoins confirmation code
DGAFDT	Local Bitcoins Confirmation cod
DVAGRE	Local Bitcoins Confirmation Code
E98X8E	It is the confirmation code for LocalBitcoins. This suggests the mobile phones user uses LocalBitcoins service and has received or sent bitcoins.

TABLE 1

Question 20 - Phone / Messaging	
WebCode	**Response**
EQC6LG	LocalBitcoins confirmation code
EXRYKJ	LocalBitcoins confirmation code
F8Q3XR	01647042 is your LocalBitcoins confirmation code.
FGGLKD	Users LocalBitcoins confirmation code.
GC2LMD	LocalBitcoins confirmation code
GFHXG9	LocalBitcoins confirmation code
H7BBCE	LocalBitcoins confirmation code
HAV669	LocalBitcoins confirmation code.
HCGC3B	Received SMS from +16466994674 on 24/08/2019 20:46(UTC-4) MESSAGE BODY| 01647042 is your LocalBitcoins confirmation code. Insinuating the person who uses this phone has / makes use of bitcoins
HMYLYG	It is the LocalBitcoins confirmation code. LocalBitcoins is a company that lets you trade local currency for bitcoins. This confirmation code means the suspect created a LocalBitcoins account.
HT8ZPT	01647042 is your LocalBitcoins confirmation code.
JFW4T4	Local Bitcoins confirmation code
JPKMHA	LocalBitcoins confirmation code
JQZ26C	01647042 is your LocalBitcoins confirmation code.
KDQN9J	LocalBitcoins confirmation code
KGLKQH	01647042 is your LocalBitcoins confirmation code.
LVG9E3	01647042 is your LocalBitcoins confirmation code
M2MH3A	LocalBitcoins confirmation code
M6LTXA	LocalBitcoins confirmation code
MH4TK3	Local Bitcoins confirmation code
MVHEGH	Bitcoin confirmation code.
NQY2QE	LocalBitcoins confirmation code
PHGUNF	LocalBitcoins confirmation code It is an authorization code to access a localbitcoins.com user account.
PRMLA4	01647042 is LocalBitcoins confirmation code.
QR7Z2E	01647042 is your LocalBitcoins confirmation code.
QXTVXC	01647042 is your LocalBitcoins confirmation code.
R9BM7L	01647042 is your LocalBitcoins confirmation code.
RLTQZV	01647042 is a LocalBitcoins confirmation code. Suggests user was engaged in a Bitcoin transaction.
RLW29L	LocalBitcoins confirmation code
RUK7PY	It is a LocalBitCoins confirmation code.

TABLE 1

Question 20 - Phone / Messaging	
WebCode	**Response**
TNUXYE	01647042 is your LocalBitcoins confirmation code.
TRYCW6	LocalBitcoins confirmation code
UH6Q4C	01647042 is a LocalBitcoins confirmation code.
UJZG4Y	01647042 is your LocalBitcoins confirmation code.
UYA3RV	01647042 is his LocalBitcoins confirmation code
UYKKD3	LocalBitcoins confirmation code
V87BX8	"01647042 is your LocalBitcoins confirmation code."
W99J9C	LocalBitcoins confirmation code
XNWCEU	This is the confirmation code received in an SMS from +16466994674 25th August 2019 01:46 [25/08/2019 00:46 UTC] "01647042 is your LocalBitcoins confirmation code." This infers that the User of the device has a Bitcoin account Path : iPhone/var/Library/SMS/sms.db
YGZRWZ	01647042 is your LocalBitcoins confirmation code.
ZB77MC	01647042 is your LocalBitcoins confirmation code
ZGQEKM	LocalBitcoins confirmation code

Question 20: What is the significance of 01647042?

Consensus Result: LocalBitcoins confirmation code and all formatting styles which represent the same information.

Expected Response Explanation:

The number 01647042 is the LocalBitcoins confirmation code and this can be found using the following path: iPhone/var/mobile/Library/SMS/sms.db (message table)

Expected Response Illustration:

SMS Messages

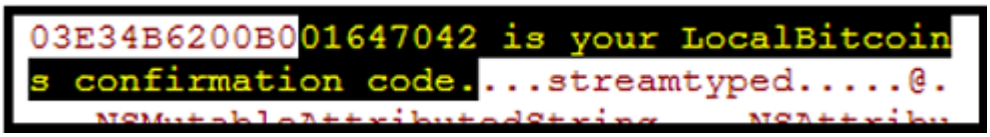


TABLE 1

Question 21 - Phone / Messaging

Question 21: What contact (name) has the phone number "(571) 339-4848" listed as a "Home Number"?

Manufacturer's Expected Response: Russ Buffalo

WebCode	Response
3LERK2	Russ Buffalo
3YKPN2	Russ Buffalo
46JNM6	Russ Buffalo
4G6TT9	Russ Buffalo
6BJMBY	Russ Buffalo
6MMJRA	Russ Buffalo
6RZ9AX	Russ Buffalo
744YHH	Russ Buffalo
7A88GY	Russ Buffalo
7KADMJ	Russ Buffalo
7VATPG	Russ Buffalo
8LF8WN	Russ Buffalo
8RNJWV	Russ Buffalo
8WGVNL	Russ Buffalo
977MZ6	Russ Buffalo
9BJCHU	Russ Buffalo
9EHQ6J	Russ Buffalo
9JQA7W	Russ Buffalo
9MCVYK	Russ Buffalo
A27XW4	Russ Buffalo
A3YXRT	Russ Buffalo
AHTC3V	The contact name was Russ Buffalo.
APW8BV	Russ Buffalo
BLQ4ZJ	Russ Buffalo
BTBEVZ	Russ Buffalo
C37YJK	Russ Buffalo
DGAFDT	Russ Buffalo
DVAGRE	Russ Buffalo
E98X8E	Russ Buffalo
EQC6LG	Russ Buffalo

TABLE 1

Question 21 - Phone / Messaging	
WebCode	**Response**
EXRYKJ	Russ Buffalo
F8Q3XR	Russ Buffalo
FGGLKD	Russ Buffalo
GC2LMD	Russ Buffalo
GFHXG9	Russ Buffalo
H7BBCE	Russ Buffalo
HAV669	Russ Buffalo
HCGC3B	Russ BUFFALO
HMYLYG	Russ Buffalo
HT8ZPT	Russ Buffalo
JFW4T4	Russ Buffalo
JPKMHA	Russ Buffalo
JQZ26C	Russ Buffalo
KDQN9J	Russ Buffalo
KGLKQH	Russ Buffalo
LVG9E3	Russ Buffalo
M2MH3A	Russ Buffalo
M6LTXA	Russ Buffalo
MH4TK3	Russ Buffalo
MVHEGH	Russ Buffalo
NQY2QE	Russ Buffalo
PHGUNF	Russ Buffalo
PRMLA4	Russ Buffalo
QR7Z2E	Russ Buffalo
QXTVXC	Russ Buffalo
R9BM7L	Russ Buffalo
RLTQZV	Russ Buffalo
RLW29L	Russ Buffalo
RUK7PY	Russ Buffalo
TNUXYE	Russ Buffalo
TRYCW6	Russ Buffalo
UH6Q4C	Russ Buffalo

TABLE 1

Question 21 - Phone / Messaging	
WebCode	**Response**
UJZG4Y	Russ Buffalo
UYA3RV	Russ Buffalo
UYKKD3	Russ Buffalo
V87BX8	Russ Buffalo
W99J9C	Russ Buffalo
XNWCEU	Russ Buffalo CONTACTs Path: iPhone/var/Library/AddressBook.AddressBook.sqlitedb
YGZRWZ	Russ Buffalo
ZB77MC	Russ Buffalo
ZGQEKM	Russ Buffalo

Question 21: What contact (name) has the phone number "(571) 339-4848" listed as a "Home Number"?

Consensus Result: Russ Buffalo

Expected Response Explanation:

The contact name belonging to phone number "(571) 339-4848" can be found using the following path: /var/mobile/Library/AddressBook/AddressBook.sqlitedb : 1 0x7C35 0x4 Contact.Name: Russ Buffalo.

Expected Response Illustration:

Contacts

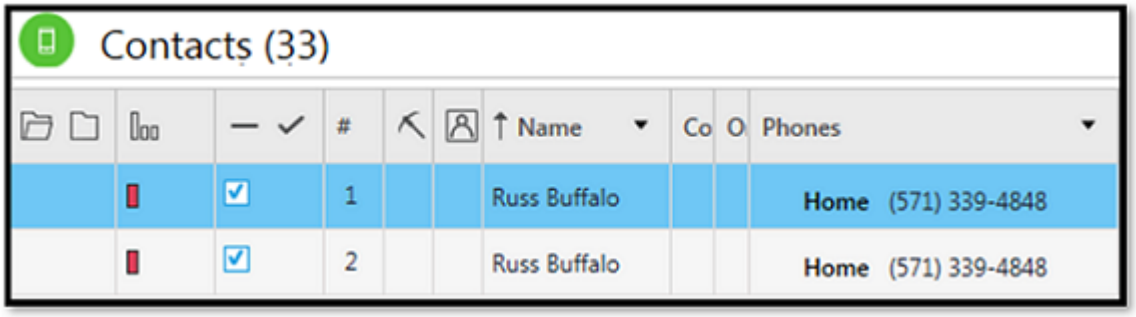


TABLE 1

Question 22 - Phone / Messaging

Question 22: From what number did the phone miss a call on 23 August 2019?

Manufacturer's Expected Response: 18004248802

WebCode	Response
3LERK2	18004248802
3YKPN2	+18004248802
46JNM6	+18004248802
4G6TT9	+18004248802
6BJMBY	18004248802
6MMJRA	+18004248802
6RZ9AX	18004248802
744YHH	+18004248802
7A88GY	18004248802
7KADMJ	18004248802
7VATPG	+18004248802
8LF8WN	+18004248802
8RNJWV	18004248802
8WGVNL	+18004248802
977MZ6	+18004248802
9BJCHU	+18004248802
9EHQ6J	1-800-424-8802
9JQA7W	+18004248802
9MCVYK	+18004248802
A27XW4	+18004248802
A3YXRT	18004248802
AHTC3V	The missed call number was +18004248802.
APW8BV	+18004248802
BLQ4ZJ	18004248802
BTBEVZ	+18004248802
C37YJK	+18004248802
DGAFDT	18004248802
DVAGRE	18004248802
E98X8E	+18004248802
EQC6LG	+18004248802

TABLE 1

Question 22 - Phone / Messaging	
WebCode	**Response**
EXRYKJ	18004248802
F8Q3XR	+18004248802
FGGLKD	+18004248802
GC2LMD	18004248802
GFHXG9	+18004248802
H7BBCE	+18004248802
HAV669	+18004248802
HCGC3B	+18004248802
HMYLYG	1-800-424-8802
HT8ZPT	+18004248802
JFW4T4	+180042488002
JPKMHA	+18004248802
JQZ26C	+18004248802
KDQN9J	+18004248802
KGLKQH	+18004248802
LVG9E3	18004248802
M2MH3A	+18004248802
M6LTXA	+18004248802
MH4TK3	+18004248802
MVHEGH	+18004248802
NQY2QE	+18004248802
PHGUNF	1(800)424-8802
PRMLA4	+18004248802
QR7Z2E	+18004248802
QXTVXC	+18004248802
R9BM7L	+18004248802
RLTQZV	+18004248802
RLW29L	18004248802
RUK7PY	+18004248802
TNUXYE	1-800-424-8802
TRYCW6	18004248802
UH6Q4C	+18004248802

TABLE 1

Question 22 - Phone / Messaging	
WebCode	**Response**
UJZG4Y	+18004248802
UYA3RV	1-800-424-8802
UYKKD3	+18004248802
V87BX8	+18004248802
W99J9C	+18004248802
XNWCEU	+18004248802 at 23rd August 2019 14:28 (Device)[23rd August 2019 13:28 UTC] Path : iPhone/var/mobile/library/CallHistoryDB/Call History.storedata
YGZRWZ	+18004248802
ZB77MC	+18004248802
ZGQEKM	18004248802

Question 22: From what number did the phone miss a call on 23 August 2019?

Consensus Result: 18004248802

Expected Response Explanation:

The phone number belonging to the missed call on 23 August 2019 can be found using the following path: /var/mobile/Library/CallHistoryDB/CallHistory.storedata : 3 0x3C29 0xC Call.Party.Identifier: +18004248802.

Expected Response Illustration:

Call History

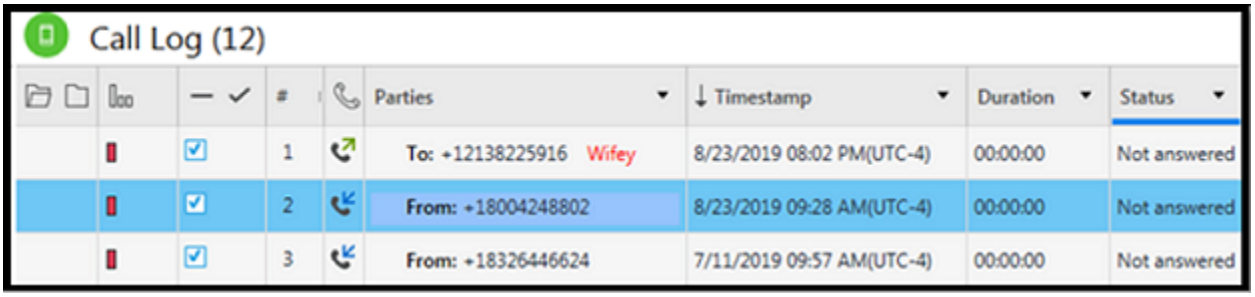


TABLE 1

Question 23 - Phone / Messaging

Question 23: What contact (name) called the phone on 15 August 2019?

Manufacturer's Expected Response: Louis Epps

WebCode	Response
3LERK2	Louis Epps
3YKPN2	Louis Epps
46JNM6	Louis Epps
4G6TT9	Louis Epps
6BJMBY	Louis Epps
6MMJRA	Louis Epps
6RZ9AX	Louis Epps
744YHH	Louis Epps
7A88GY	Louis Epps
7KADMJ	Louis Epps
7VATPG	Louis Epps
8LF8WN	Louis Epps
8RNJWV	Louis Epps
8WGVNL	Louis Epps
977MZ6	Louis Epps
9BJCHU	Louis Epps
9EHQ6J	Louis Eps
9JQA7W	Louis Epps
9MCVYK	Louis Epps
A27XW4	Louis Epps
A3YXRT	Louis Epps
AHTC3V	The contact name is Louis Epps (+19738584341).
APW8BV	Louis Epps
BLQ4ZJ	Louis Epps
BTBEVZ	Louis Epps
C37YJK	Louis Epps
DGAFDT	Louis Epps
DVAGRE	Louis Epps
E98X8E	Louis Epps
EQC6LG	Louis Epps

TABLE 1

Question 23 - Phone / Messaging	
WebCode	**Response**
EXRYKJ	Louis Epps
F8Q3XR	Louis Epps
FGGLKD	Louis Epps
GC2LMD	Louis Epps
GFHXG9	Louis Epps
H7BBCE	Louis Epps
HAV669	Louis Epps
HCGC3B	Louis Epps
HMYLYG	Louis Epps
HT8ZPT	Louis Epps
JFW4T4	Louis Epps
JPKMHA	Louis Epps
JQZ26C	Louis Epps
KDQN9J	Louis Epps
KGLKQH	Louis Epps
LVG9E3	Louis Epps
M2MH3A	Louis Epps
M6LTXA	Louis Epps
MH4TK3	Louis Epps
MVHEGH	+19738584341 Louis Epps.
NQY2QE	Louis Epps
PHGUNF	Louis Epps
PRMLA4	+19738584341 Louis Epps
QR7Z2E	Louis Epps
QXTVXC	Louis Epps
R9BM7L	Louis Epps
RLTQZV	Louis Epps
RLW29L	Louis Epps
RUK7PY	Louis Epps
TNUXYE	Louis Epps
TRYCW6	Louis Epps
UH6Q4C	Louis Epps

TABLE 1

Question 23 - Phone / Messaging	
WebCode	**Response**
UJZG4Y	Louis Epps
UYA3RV	Louis Epps
UYKKD3	Louis Epps
V87BX8	Louis Epps
W99J9C	Louis Epps
XNWCEU	Louis Epps called at 15th August 2019 16:22 (Device) [15th August 2019 15:22 UTC] using +19738584341 Path : iPhone/var/mobile/library/CallHistoryDB/Call History.storedata
YGZRWZ	Louis Epps
ZB77MC	Louis Epps
ZGQEKM	Louis Epps

Question 23: What contact (name) called the phone on 15 August 2019?

Consensus Result: Louis Epps

Expected Response Explanation:

The contact name called on this device on 15 August 2019 can be found using the following path: /var/mobile/Library/CallHistoryDB/CallHistory.storedata : 1 0xCF95 0xC Contact.UserID.Value: +19738584341 /var/mobile/Library/SMS/sms.db : 4 0x3CCB 0xC Call.Party.Identifier: +19738584341.

Expected Response Illustration:

Contact Name

TABLE 1

Question 24 - Phone / Messaging

Question 24: How many outgoing calls were made from this phone?

Manufacturer's Expected Response: Seven (7)

WebCode	Response
3LERK2	7
3YKPN2	7
46JNM6	7
4G6TT9	Seven
6BJMBY	14
6MMJRA	7
6RZ9AX	Seven (7)
744YHH	7
7A88GY	7
7KADMJ	7
7VATPG	7
8LF8WN	7
8RNJWV	7
8WGVNL	6
977MZ6	7
9BJCHU	7
9EHQ6J	7
9JQA7W	7
9MCVYK	7
A27XW4	7
A3YXRT	7
AHTC3V	The number of outgoing calls were 7 Calls.
APW8BV	7
BLQ4ZJ	7
BTBEVZ	7
C37YJK	Seven (07)
DGAFDT	7
DVAGRE	7
E98X8E	Seven
EQC6LG	7

TABLE 1

Question 24 - Phone / Messaging	
WebCode	**Response**
EXRYKJ	7
F8Q3XR	7 or Seven
FGGLKD	7 (seven)
GC2LMD	7
GFHXG9	7
H7BBCE	7
HAV669	7
HCGC3B	7 x outgoing calls from the device
HMYLYG	7
HT8ZPT	7
JFW4T4	7
JPKMHA	7
JQZ26C	7
KDQN9J	7
KGLKQH	7
LVG9E3	7
M2MH3A	Seven (7)
M6LTXA	7
MH4TK3	7
MVHEGH	7
NQY2QE	7
PHGUNF	7
PRMLA4	7
QR7Z2E	7
QXTVXC	Seven (7)
R9BM7L	7
RLTQZV	7
RLW29L	Seven
RUK7PY	Seven (7)
TNUXYE	7
TRYCW6	7
UH6Q4C	7

TABLE 1

Question 24 - Phone / Messaging	
WebCode	**Response**
UJZG4Y	Seven
UYA3RV	7
UYKKD3	7
V87BX8	7
W99J9C	7
XNWCEU	7 calls were made from the device. Path : iPhone/var/mobile/library/CallHistoryDB/Call History.storedata
YGZRWZ	7
ZB77MC	Seven
ZGQEKM	7

Question 24: How many outgoing calls were made from this phone?

Consensus Result: Seven (7)

Expected Response Explanation:

The quantity of outgoing calls made from this device can be found using the following path: iPhone/var/mobile/Library/CallHistoryDB/CallHistory.storedata.

Expected Response Illustration:

Call History

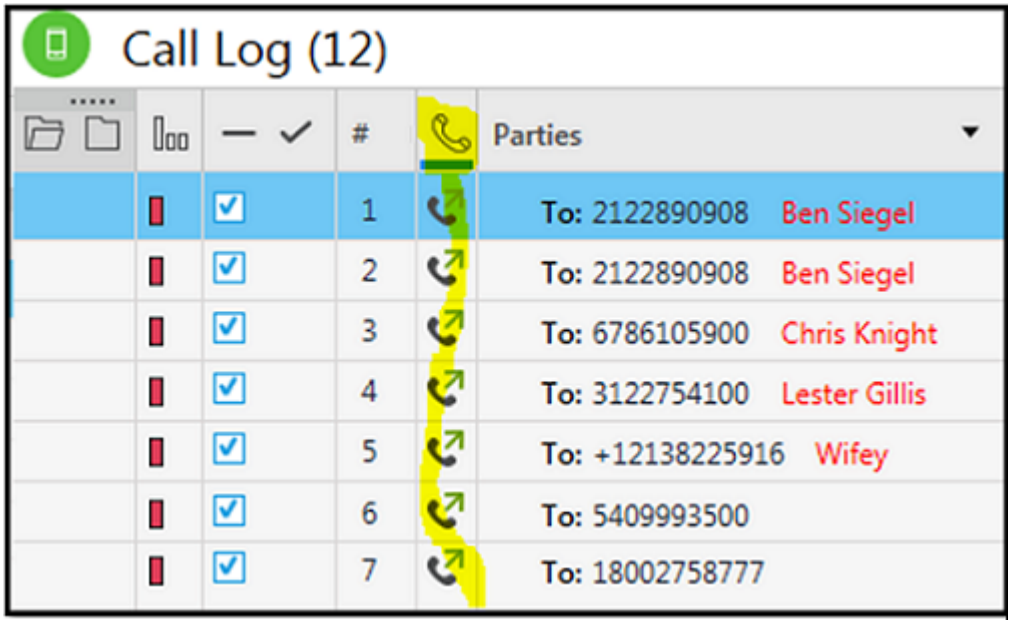


TABLE 1

Question 25 - Phone / Messaging

Question 25: What was the date and time of the last outgoing call? Provide the answer in the time zone set for the device using the following format: MM/DD/YYYY HH:MM AM/PM.

Manufacturer's Expected Response: 08/25/2019 08:18 PM

WebCode	Response
3LERK2	8/25/2019 19:18 (UTC-5) (PM)
3YKPN2	08/25/2019 07:18 PM
46JNM6	08/25/2019 07:18 PM
4G6TT9	08/25/2019 08:18 PM
6BJMBY	08/25/2019 07:18:13 PM
6MMJRA	08/25/2019 08:18 PM
6RZ9AX	08/25/2019 08:18 PM
744YHH	08/25/2019 07:18 PM
7A88GY	08/25/2019 08:18 PM
7KADMJ	08/25/2019 08:18 PM
7VATPG	8/25/2019 7:18:13 PM(UTC-5)
8LF8WN	08/25/2019 08:18 PM (UTC -4)
8RNJWV	08/25/2019 08:18 PM
8WGVNL	08/25/2019 08:18 PM
977MZ6	08/25/2019 08:18 PM
9BJCHU	08/25/2019 08:18 PM
9EHQ6J	08/25/2019 08:18:13 PM (UTC -4)
9JQA7W	8/25/2019 8:18:13 PM(UTC-4)
9MCVYK	08/25/2019 08:18 PM
A27XW4	08/25/2019 08:18 PM
A3YXRT	08/25/2019 08:18:13 PM
AHTC3V	The date and time of the last outgoing call was 08/25/2019 08:18 PM.
APW8BV	08/25/2019 08:18 PM
BLQ4ZJ	08/25/2019 08:18 PM
BTBEVZ	8/25/2019 8:18 PM
C37YJK	08/25/2019 7:18 PM(UTC-5)
DGAFDT	8/25/2019 08:18 PM
DVAGRE	08/25/2019 08:18:PM
E98X8E	08/25/2019 08:18 PM

TABLE 1

Question 25 - Phone / Messaging	
WebCode	**Response**
EQC6LG	08/25/2019 20:18 PM (UTC-4)
EXRYKJ	08/25/2019 08:18:13 PM
F8Q3XR	08/25/2019 8:18:13 PM(UTC-4)
FGGLKD	08/25/2019 20:18 PM (UTC-4)
GC2LMD	08/25/2019 08:18 pm
GFHXG9	08/25/2019 07:18:13 PM
H7BBCE	08/25/2019 08:18 PM
HAV669	8/25/2019 8:18:13 PM
HCGC3B	08/25/2019 20:18 PM (UTC-4)
HMYLYG	08/25/2019 08:18 PM
HT8ZPT	08/25/2019 08:18 PM
JFW4T4	08/25/2019 20:18
JPKMHA	8/25/2019 8:18 PM
JQZ26C	08/25/2019 08:18 PM
KDQN9J	08/25/2019 08:18 PM
KGLKQH	08/26/2019 07:18:13 PM
LVG9E3	8/25/2019 20:18 PM (UTC-4)
M2MH3A	08/25/2019 08:18 PM
M6LTXA	08/25/2019 07:18 PM
MH4TK3	8/25/2019 8:18:13 PM
MVHEGH	08/25/2019 19:18:13
NQY2QE	08/25/2019 08:18 PM
PHGUNF	08/25/2019 08:18 PM
PRMLA4	08/25/2019. 07:18:13 UTC -05) PM
QR7Z2E	08/25/2019 07:18 PM
QXTVXC	08/25/2019 08:18 PM
R9BM7L	08/25/2019 08:18 PM
RLTQZV	08/25/2019 08:18 PM
RLW29L	08/25/2019 08:18 PM
RUK7PY	08/25/2019 8:18 PM
TNUXYE	08/25/2019 08:18 PM
TRYCW6	08/25/2019 08:18:13 PM

TABLE 1

Question 25 - Phone / Messaging	
WebCode	**Response**
UH6Q4C	08/25/2019 08:18 PM
UJZG4Y	25/08/2019 20:18:13(UTC-4)
UYA3RV	08/25/2019 08:18 PM
UYKKD3	08/25/2019 8:18 PM
V87BX8	8/25/2019 8:18:13 PM
W99J9C	08/25/2019 07:18 PM
XNWCEU	08/26/2019 00:18 AM (which was 08/26/2019 20:18 PM UTC-0400) made to Ben Siegel on #2122890908 Path: iPhone/var/mobile/library/CallHistoryDB/Call History.storedata
YGZRWZ	08/25/2019 08:18:13 PM
ZB77MC	08/25/2019 8:18 PM
ZGQEKM	08/25/2019 08:18 PM

Question 25: What was the date and time of the last outgoing call? Provide the answer in the time zone set for the device using the following format: MM/DD/YYYY HH:MM AM/PM.

Consensus Result: 08/25/2019 08:18 PM and all formatting styles which represent the same information. In addition, the same date with the time of 07:18 PM was also accepted as it is possible that neglecting to recognize Daylight Savings Time may have been the cause of this difference.

Expected Response Explanation:

The date and time of the last outgoing call can be found using the following path: iPhone/var/mobile/Library/CallHistoryDB/CallHistory.storedata.

Expected Response Illustration:

Call History

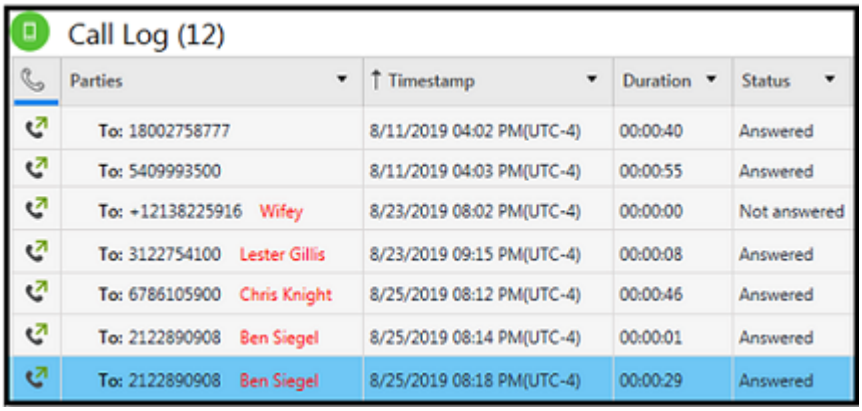


TABLE 1

Question 26 - Phone / Messaging

Question 26: What brand mayonaise does the user's spouse request?

Manufacturer's Expected Response: Hellmans

WebCode	Response
3LERK2	HELLMANS
3YKPN2	HELLMANS
46JNM6	HELLMANS
4G6TT9	HELLMANS
6BJMBY	HELLMANS
6MMJRA	HELLMANS
6RZ9AX	HELLMANS
744YHH	HELLMANS
7A88GY	HELLMANS
7KADMJ	Hellmans
7VATPG	HELLMANS mayo
8LF8WN	HELLMANS
8RNJWV	HELLMANS
8WGVNL	HELLMANS
977MZ6	HELLMANS
9BJCHU	Hellmans
9EHQ6J	Hellmans
9JQA7W	HELLMANS
9MCVYK	HELLMANS
A27XW4	HELLMANS
A3YXRT	HELLMANS
AHTC3V	The mayonaise brand was "HELLMANS".
APW8BV	HELLMANS
BLQ4ZJ	HELLMANS
BTBEVZ	HELLMANS
C37YJK	HELLMANS
DGAFDT	hellmans
DVAGRE	Hellmans
E98X8E	Hellmans
EQC6LG	HELLMANS

TABLE 1

Question 26 - Phone / Messaging	
WebCode	**Response**
EXRYKJ	HELLMANS
F8Q3XR	hellmans mayo or hellmann's mayo
FGGLKD	HELLMANS
GC2LMD	HELLMANS
GFHXG9	HELLMANS
H7BBCE	HELLMANS
HAV669	HELLMANS
HCGC3B	Hellmans
HMYLYG	HELLMANS
HT8ZPT	HELLMANS
JFW4T4	Hellmans
JPKMHA	HELLMANS
JQZ26C	1 jar HELLMANS mayo
KDQN9J	HELLMANS
KGLKQH	HELLMANS
LVG9E3	HELLMANS
M2MH3A	HELLMANS
M6LTXA	Hellmans
MH4TK3	HELLMANS
MVHEGH	Hellmans
NQY2QE	Hellmans
PHGUNF	HELLMANS
PRMLA4	HELLMANS
QR7Z2E	HELLMANS
QXTVXC	HELLMANS
R9BM7L	HELLMANS
RLTQZV	HELLMANS
RLW29L	Hellmans
RUK7PY	HELLMANS
TNUXYE	HELLMANS mayo
TRYCW6	HELLMANS
UH6Q4C	HELLMANS

TABLE 1

Question 26 - Phone / Messaging	
WebCode	**Response**
UJZG4Y	1 jar HELLMANS mayo
UYA3RV	Hellmans
UYKKD3	HELLMANS
V87BX8	HELLMANS
W99J9C	HELLMANS
XNWCEU	HELLMANS Received in an SMS 24th August 20199 14:54 [24/08/2019 13:54 UTC] from" Wifey" using #+12138225916
YGZRWZ	HELLMANS mayo
ZB77MC	HELLMANS mayo
ZGQEKM	HELLMANS

Question 26: What brand mayonaise does the user's spouse request?

Consensus Result: Hellmans

Expected Response Explanation:

The information regarding the brand of mayonaise requested by the user can be found in the SMS message body using the following path: /var/mobile/Library/SMS/sms.db.

Expected Response Illustration:

Text Message Library

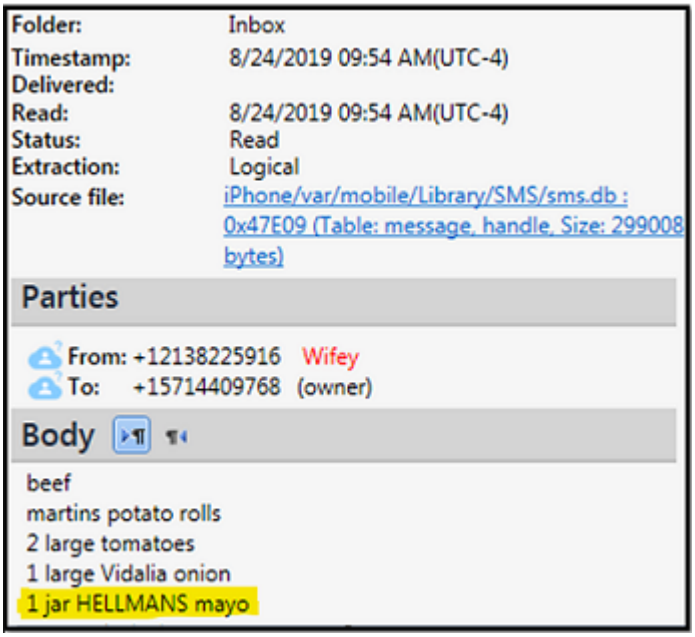


TABLE 1

Question 27 - Applications

Question 27: What cryptocurrency related app is installed on this phone?

Manufacturer's Expected Response: BitPay

WebCode	Response
3LERK2	BitPay
3YKPN2	BitPay
46JNM6	BitPay
4G6TT9	BitPay
6BJMBY	CryptoTokenKit
6MMJRA	BitPay
6RZ9AX	BitPay
744YHH	BitPay
7A88GY	BitPay
7KADMJ	Bitpay
7VATPG	BitPay
8LF8WN	BitPay
8RNJWV	BitPay
8WGVNL	BitPay
977MZ6	BitPay
9BJCHU	BitPay
9EHQ6J	BitPay
9JQA7W	setoken
9MCVYK	BitPay
A27XW4	BitPay
A3YXRT	BitPay
AHTC3V	The installed app was "com.bitpay.wallet".
APW8BV	BitPay
BLQ4ZJ	Bitpay
BTBEVZ	BitPay
C37YJK	BitPay
DGAFDT	bitpay
DVAGRE	Bitpay
E98X8E	BitPay
EQC6LG	BitPay

TABLE 1

Question 27 - Applications	
WebCode	**Response**
EXRYKJ	BitPay
F8Q3XR	bitpay
FGGLKD	BitPay
GC2LMD	BitPay
GFHXG9	BitPay
H7BBCE	BitPay
HAV669	BitPay
HCGC3B	Bitpay
HMYLYG	BitPay
HT8ZPT	BitPay
JFW4T4	Bitpay (V1)
JPKMHA	BitPay
JQZ26C	BitPay
KDQN9J	BitPay
KGLKQH	BitPay
LVG9E3	BitPay
M2MH3A	Bitpay
M6LTXA	BitPay
MH4TK3	BitPay
MVHEGH	setoken
NQY2QE	BitPay
PHGUNF	BitPay
PRMLA4	Setoken
QR7Z2E	setoken
QXTVXC	BitPay
R9BM7L	BitPay
RLTQZV	BitPay
RLW29L	BitPay
RUK7PY	BitPay
TNUXYE	BitPay
TRYCW6	BitPay
UH6Q4C	BitPay

TABLE 1

Question 27 - Applications	
WebCode	**Response**
UJZG4Y	BitPay
UYA3RV	Bitpay
UYKKD3	BitPay
V87BX8	BitPay
W99J9C	BitPay
XNWCEU	Bitpay (com.Bitpay.wallet) Manifest.plist
YGZRWZ	BitPay
ZB77MC	Bitpay
ZGQEKM	BitPay

Question 27: What cryptocurrency related app is installed on this phone?

Consensus Result: BitPay

Expected Response Explanation:

The cryptocurrency related application that was installed on this device can be found using the following path: /Backup/Manifest.plist: 3 0xCE20 0x52 InstalledApplication.Name: BitPay.

Expected Response Illustration:

Installed Applications

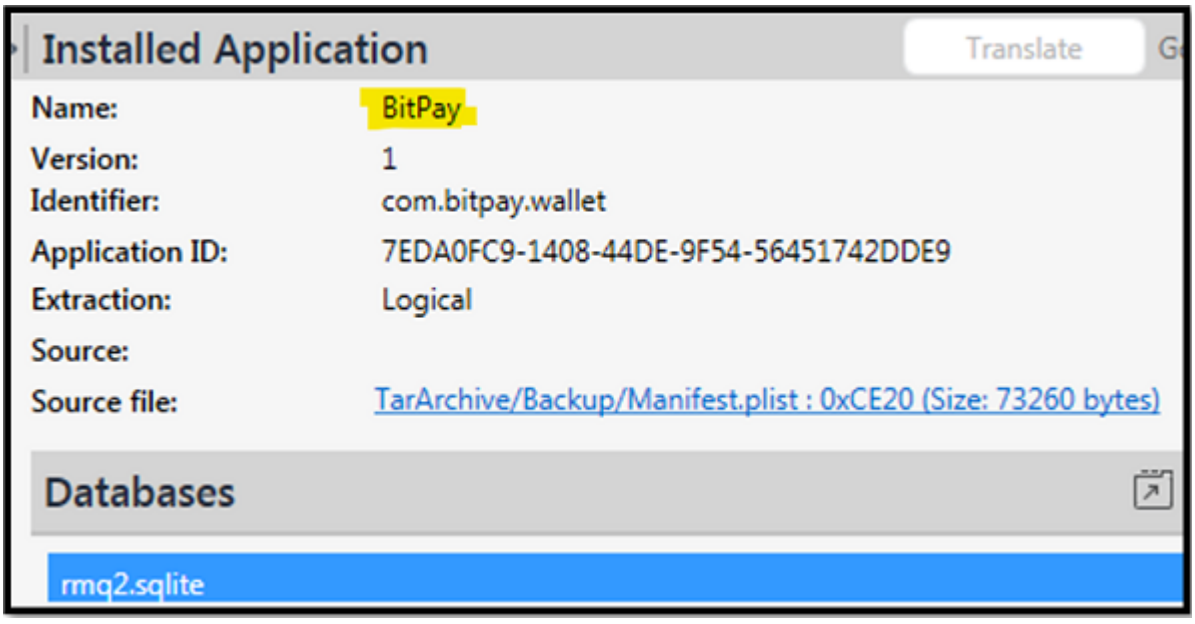


TABLE 1

Question 28 - Applications

Question 28: To what address was the user instructed to send bitcoin?

Manufacturer's Expected Response: 372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ

WebCode	Response
3LERK2	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
3YKPN2	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
46JNM6	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
4G6TT9	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
6BJMBY	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
6MMJRA	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
6RZ9AX	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
744YHH	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
7A88GY	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
7KADMJ	372YzM1cvnzzstkFVanyYfaMp3sZjM3WrQ
7VATPG	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
8LF8WN	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
8RNJWV	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
8WGVNL	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
977MZ6	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
9BJCHU	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
9EHQ6J	372YzM1cunzzstkFVanyYfAMp3sZjM3WrQ
9JQA7W	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
9MCVYK	372YzMlcvnzzstkFVanyYfAMp3sZjM3WrQ
A27XW4	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
A3YXRT	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
AHTC3V	The bitcoin address was "372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ".
APW8BV	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
BLQ4ZJ	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
BTBEVZ	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
C37YJK	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
DGAFDT	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
DVAGRE	372YzM1cvnzzstkFVanyYFAMp3sZjM3WrQ
E98X8E	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
EQC6LG	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ

TABLE 1

Question 28 - Applications	
WebCode	**Response**
EXRYKJ	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
F8Q3XR	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
FGGLKD	Starbucks on 234 near montclair.
GC2LMD	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
GFHXG9	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
H7BBCE	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
HAV669	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
HCGC3B	Taken from chatstorage.splite | ZWAMESSAGE | ZTEXT 372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ Also present within IMG_0021.png screenshot of conversation. Taken from IMG_0021.png which is a screenshot of Whatsapp conversation on the device, but media has not been extracted with the itunes backup
HMYLYG	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
HT8ZPT	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
JFW4T4	372YzM1cvNzz5tkFVunyYFAMp35ZJM3WrQ
JPKMHA	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
JQZ26C	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
KDQN9J	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
KGLKQH	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
LVG9E3	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
M2MH3A	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
M6LTXA	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
MH4TK3	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
MVHEGH	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
NQY2QE	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
PHGUNF	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
PRMLA4	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
QR7Z2E	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
QXTVXC	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
R9BM7L	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
RLTQZV	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
RLW29L	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
RUK7PY	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
TNUXYE	

TABLE 1

Question 28 - Applications	
WebCode	**Response**
TRYCW6	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
UH6Q4C	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
UJZG4Y	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
UYA3RV	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
UYKKD3	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
V87BX8	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
W99J9C	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
XNWCEU	"372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ" message received at 26th August 2019 03:34 (Network) [26/08/2019 02:34 UTC] from Frank using 17035466484@s.whatsapp.net. Path: iPhone/Applications/group.net.whatsapp.WhatsApp.shared/ChatStorage.sqlite
YGZRWZ	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
ZB77MC	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ
ZGQEKM	372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ

Question 28: To what address was the user instructed to send bitcoin?

Consensus Result: 372YzM1cvnzzstkFVanyYfAMp3sZjM3WrQ

Expected Response Explanation:

Information regarding the address to be used to send bitcoin can be found using the following path: iPhone/Applications/group.net.whatsapp.WhatsApp.shared/ChatStorage.sqlite/ZWAMESSAGE : 1 0x36A90 0x570.

TABLE 1

Question 28 - Applications

Expected Response Illustration:

WhatsApp

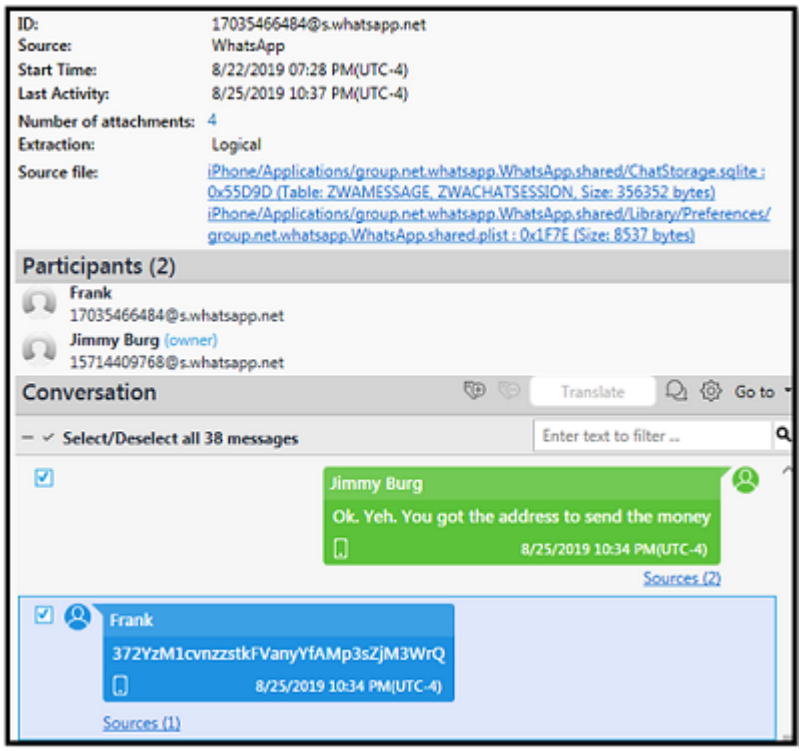


TABLE 1

Question 29 - Applications

Question 29: How many other parties did the user communicate with using WhatsApp?

Manufacturer's Expected Response: Two (2)

WebCode	Response
3LERK2	2 total - Russ Buffalo and Frank
3YKPN2	1
46JNM6	1
4G6TT9	Two
6BJMBY	2
6MMJRA	2
6RZ9AX	Two (2)
744YHH	2
7A88GY	1
7KADMJ	1
7VATPG	2
8LF8WN	Two other participants, Frank and Russ Buffalo
8RNJWV	2
8WGVNL	2
977MZ6	2
9BJCHU	2
9EHQ6J	2
9JQA7W	2
9MCVYK	2
A27XW4	2
A3YXRT	2
AHTC3V	There were 2 user parties.
APW8BV	2
BLQ4ZJ	2
BTBEVZ	2
C37YJK	Two (02)
DGAFDT	2
DVAGRE	2
E98X8E	Two
EQC6LG	2

TABLE 1

Question 29 - Applications	
WebCode	**Response**
EXRYKJ	2
F8Q3XR	2 or Two
FGGLKD	2 in total.
GC2LMD	2
GFHXG9	2
H7BBCE	2
HAV669	2
HCGC3B	2 parties contacted in total in Whatsapp.
HMYLYG	He communicated with two parties using WhatsApp: Frank and Russ Buffalo.
HT8ZPT	1
JFW4T4	2
JPKMHA	2
JQZ26C	2
KDQN9J	1
KGLKQH	1
LVG9E3	1
M2MH3A	Two (Frank and Russ Buffalo)
M6LTXA	2
MH4TK3	2
MVHEGH	2 (Russel Bufallo and Frank Sherman)
NQY2QE	1
PHGUNF	2
PRMLA4	3 (Frank, Jimmy Burg, Russ Buffalo).
QR7Z2E	2
QXTVXC	Two (2)
R9BM7L	2
RLTQZV	2
RLW29L	Two
RUK7PY	Two (2)
TNUXYE	2
TRYCW6	2
UH6Q4C	2

TABLE 1

Question 29 - Applications	
WebCode	**Response**
UJZG4Y	One
UYA3RV	1
UYKKD3	2
V87BX8	1
W99J9C	2
XNWCEU	2 other contacts were communicated with using WhatsApp Path: iPhone/Applications/group.net.whatsapp.WhatsApp.shared/ChatStorage.sqlite
YGZRWZ	2
ZB77MC	Two
ZGQEKM	2

Question 29: How many other parties did the user communicate with using WhatsApp?

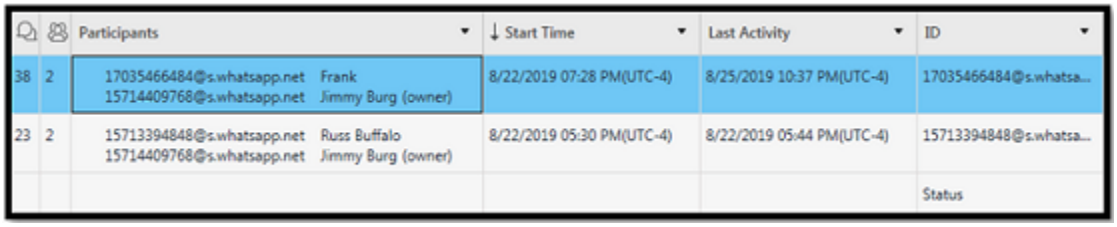
Consensus Result: Two (2)

Expected Response Explanation:

The expected response was "Two (2)" however due to possible ambiguity in the question, the response "One (1)" was also accepted. Based on comments received, the words "other parties" used in the question may have caused some confusion. There was speculation that "other" was referencing someone that was mentioned in question 28 (i.e. the person that instructed the user where to send the bitcoin). Information regarding the number of parties communicated to using the WhatsApp can be found following either of these paths: iPhone/Applications/group.net.whatsapp.WhatsApp.shared/Library/Preferences/group.net.whatsapp.WhatsApp.shared.plist, iPhone/Applications/group.net.whatsapp.WhatsApp.shared/ChatStorage.sqlite.

Expected Response Illustration:

Chat Information



		Participants	Start Time	Last Activity	ID
38	2	17035466484@s.whatsapp.net Frank 15714409768@s.whatsapp.net Jimmy Burg (owner)	8/22/2019 07:28 PM(UTC-4)	8/25/2019 10:37 PM(UTC-4)	17035466484@s.whatsa...
23	2	15713394848@s.whatsapp.net Russ Buffalo 15714409768@s.whatsapp.net Jimmy Burg (owner)	8/22/2019 05:30 PM(UTC-4)	8/22/2019 05:44 PM(UTC-4)	15713394848@s.whatsa...
					Status

TABLE 1

Question 30 - Applications

Question 30: What is the location for the last photo received via WhatsApp? Provide the latitude and longitude.

Manufacturer's Expected Response: 38.660320, -76.417215

WebCode	Response
3LERK2	38.660320, -76.417215
3YKPN2	38.660320 / -76.417215
46JNM6	38.660320 / -76.417215
4G6TT9	38.660320, -76.417215
6BJMBY	38°39'37.15" / 76°25'1.97"
6MMJRA	38.660320, -76.417215
6RZ9AX	(38.660320, -76.417215)
744YHH	(38.660320, -76.417215)
7A88GY	38.660320, -76.417215
7KADMJ	38.660319 / -76.417214
7VATPG	38.660320 / -76.417215 Chesapeake Bay
8LF8WN	38.660319, -76.417215 (Cellebrite did not decode the messages and the attachment. XRY was used to confirm the attachment and the message sent in the WhatsApp. Both tools were used to get the answer.)
8RNJWV	38.660320 and -76.417215
8WGVNL	Latitude: 38.660320 Longitude: 76.417215
977MZ6	(38.660320,-76.417215)
9BJCHU	Chesapeake Bay (38.660320, -76.417215)
9EHQ6J	38,39,37.152 76,25,1.974
9JQA7W	38.660320 / -76.417215
9MCVYK	Latitude N 38,39,37.152 Longitude W 76,25,1.974
A27XW4	38.660320 / -76.417215
A3YXRT	38.660320 / -76.417215
AHTC3V	The location for the last photo received via WhatsApp is "The latitude : 38.660320, The longitude : -76.417215".
APW8BV	N 38, 39, 37.152, W 76, 25, 1.974
BLQ4ZJ	38,39,37.152 76,25,1.974 Lat/Lon 38.660320 / -76.417214
BTBEVZ	Lat = 38.660320 Long= -76.417215
C37YJK	Latitude: 38.660320 Longitude: -76.417215
DGAFDT	38.660320 / -76.417215
DVAGRE	Lat 38,39,37.152 Long 76,25,1.974

TABLE 1

Question 30 - Applications	
WebCode	**Response**
E98X8E	Latitude: 38.660320 Longitude: -76.417215
EQC6LG	(38.660320, -76.417215)
EXRYKJ	(38.660320, -76.417215)
F8Q3XR	Lat: 38.660320 and long: -76.417215
FGGLKD	Latitude N 38, 39, 37.152, Longitude W 76, 25, 1.974
GC2LMD	Lat 38,39,37.152 Lon 76, 25, 1.974
GFHXG9	38.660320 / -76.417215
H7BBCE	Lat/Lon: 38.660320 / -76.417215 Position: (38.660320, -76.417215)
HAV669	Latitude 38, 39, 37.152 longitude 76, 25, 1.974
HCGC3B	Chatstorage.sqlite | ZWAMEDIAITEM | LAT / LONG: 38.660320 / -76.417215 include image name
HMYLYG	38.660320 / -76.417215
HT8ZPT	38.660320 / -76.417215
JFW4T4	LAT 38, 39, 37, 152 Long.76,.25.,1.974
JPKMHA	38.660320 / -76.417215 38,39, 37.152 76,25, 1.974
JQZ26C	38.660320, -76.417215
KDQN9J	38.660320 Latitude -76.417215 Longitude
KGLKQH	38.660320 / -76.417215
LVG9E3	38.660320 / -76.417215
M2MH3A	38.660320 / -76.417215
M6LTXA	latitude/longitude: 38.660320/-76.417215
MH4TK3	(38.660320, -76.417215)
MVHEGH	(Lat/Lon) 38.660320 / -76.417215
NQY2QE	38.660320 / -76.417215
PHGUNF	Latitude/Longitude: 38.660320 / -76.417215
PRMLA4	Latitude 38.660320 / Longitude -76.417215
QR7Z2E	38.660320 / -76.417215
QXTVXC	38.660320 / -76.417215
R9BM7L	38.66032, -76.417215
RLTQZV	38.660320 / -76.417215
RLW29L	Latitude – 38, 39, 37.152 Longitude – 76, 25, 1.974
RUK7PY	38.660320 / -76.417215
TNUXYE	Latitude: 1200 longitude: 1600

TABLE 1

Question 30 - Applications	
WebCode	**Response**
TRYCW6	38.660320, -76.417215
UH6Q4C	Lat/Lon 38.660320 / -76.417215
UJZG4Y	Chesapeake Bay 38.660320 / -76.417215
UYA3RV	Latitude: 38, 39, 37.152 N; Longitude 76, 25, 1.974 W
UYKKD3	38.660320 / -76.417215
V87BX8	38, 39, 37.152 N 76, 25, 1.974 W
W99J9C	1200 1600
XNWCEU	38.660320 / -76.417215 (Chesapeake Bay, United States) Path: iPhone/private/var/mobile/Containers/Shared/AppGroup/ group.net.whatsapp.WhatsApp.shared/ Message/Media/17035466484@s.whatsapp.net/d/8/
YGZRWZ	38.660320, -76.417215
ZB77MC	38.660320, -76.417215
ZGQEKM	38.660320, -76.417215

Question 30: What is the location for the last photo received via WhatsApp? Provide the latitude and longitude.

Consensus Result: The coordinates "38.660320, -76.417215" and all formatting styles which represent the same location or are in close proximity to these coordinates including the coordinates "38.660319, -76.417214" were accepted. The coordinates varied slightly depending on which software tool was used to obtain this information.

Expected Response Explanation:

The expected response Information regarding the location of the last photo received via WhatsApp can be found using the following path: iPhone/var/mobile/Media/DCIM/100APPLE/IMG_0011.JPG. Different software tools gave slightly different coordinates.

Expected Response Illustration:

Photo Information (Software Tool A)

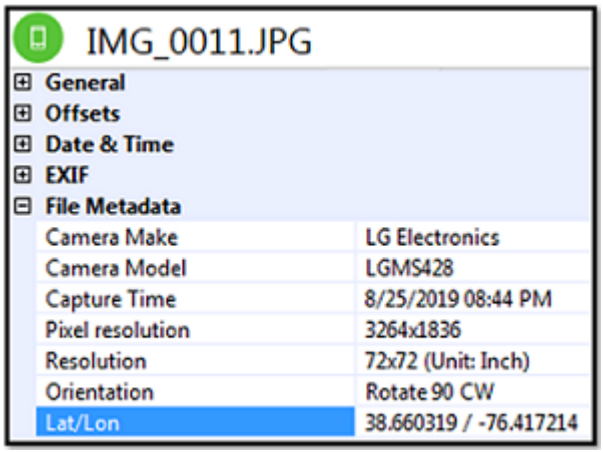


TABLE 1

Question 30 - Applications

Photo Information (Software Tool B)

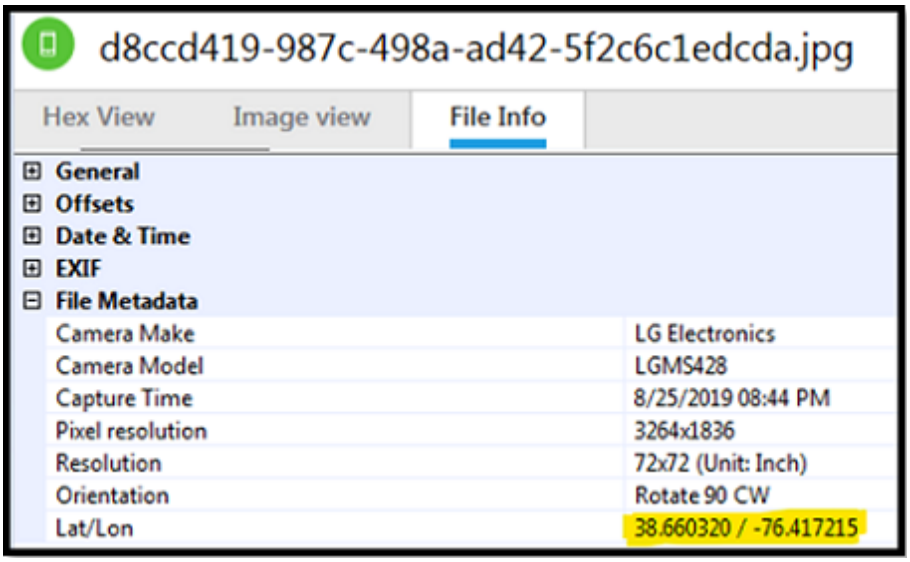


TABLE 1

Question 31 - Applications

Question 31: How much does the user weigh?

Manufacturer's Expected Response: 114.75 Kilograms

WebCode	Response
3LERK2	114.758776 Kilograms
3YKPN2	114,75
46JNM6	114,75 Kilograms
4G6TT9	114.758776 Kilograms
6BJMBY	114.758776 Kg
6MMJRA	114.758776 Kilograms
6RZ9AX	114.75 Kilograms
744YHH	114.75 Kilograms
7A88GY	114.75 Kilograms
7KADMJ	114.75 Kilograms
7VATPG	114.75 Kilograms
8LF8WN	“144.75 kilograms”
8RNJWV	114.75 kilograms (252.980446 pounds)
8WGVNL	114,75 Kilograms
977MZ6	114.75 Kilograms
9BJCHU	114.75 Kilograms
9EHQ6J	114.75 kilograms
9JQA7W	114.75 Kilograms
9MCVYK	114.75 Kg
A27XW4	114.75 Kilograms
A3YXRT	114.75 Kilograms
AHTC3V	The user weigh are 114.758776Kg.
APW8BV	114,75 Kilograms
BLQ4ZJ	114.75 Kilograms
BTBEVZ	114.75 Kilograms
C37YJK	114.75 Kilograms
DGAFDT	114.756 Kilograms
DVAGRE	114.75 Kilograms
E98X8E	114.758776 Kilograms
EQC6LG	114.75 Kilograms

TABLE 1

Question 31 - Applications	
WebCode	**Response**
EXRYKJ	114.758776
F8Q3XR	114.75 Kilograms
FGGLKD	114.75 Kilograms
GC2LMD	114.75 Kilograms
GFHXG9	114,75 Kilograms
H7BBCE	114.75 Kilograms 114.758776 Kilograms (database)
HAV669	114.75 Kilograms
HCGC3B	114.75 Kg from healthdb_secure.sqlite
HMYLYG	114.75 Kilograms
HT8ZPT	114.75 Kilograms
JFW4T4	114.75 kilograms
JPKMHA	114.75 Kilograms
JQZ26C	114.75 Kilograms
KDQN9J	114.75 Kilograms
KGLKQH	114.75 Kilograms
LVG9E3	114.75 Kilograms
M2MH3A	114.75 Kilograms
M6LTXA	114.758776 kg
MH4TK3	114.75 Kilograms
MVHEGH	114.758776 Kilograms
NQY2QE	114.75 Kilograms
PHGUNF	114.75 Kilograms
PRMLA4	114,75 Kilograms
QR7Z2E	114,75 Kilogramm
QXTVXC	114.75 Kilograms
R9BM7L	114.758776
RLTQZV	114.75 Kilograms
RLW29L	114.75 Kilograms
RUK7PY	114.75 Kilograms
TNUXYE	114.75 kilograms
TRYCW6	114.758776
UH6Q4C	114.75 Kilograms

TABLE 1

Question 31 - Applications	
WebCode	**Response**
UJZG4Y	114.75 Kilograms
UYA3RV	114.75 Kilograms
UYKKD3	114.75 Kilograms
V87BX8	114.75 Kilograms
W99J9C	114.75 Kilograms
XNWCEU	114.75Kgs as identified in the iPhone/var/mobile/Library/Health/health.db_secure.sqlite
YGZRWZ	114.758776
ZB77MC	114.75 kilograms
ZGQEKM	114.75 Kilograms

Question 31: How much does the user weigh?

Consensus Result: 114.75 Kilograms

Expected Response Explanation:

The user's weight can be found using the following path: /var/mobile/Library/Health/healthdb_secure.sqlite : 2 0x7CD1 0x8 Activity.ActivitySample.Quantity: 114.758776.

Expected Response Illustration:

Weight truncated by software tool

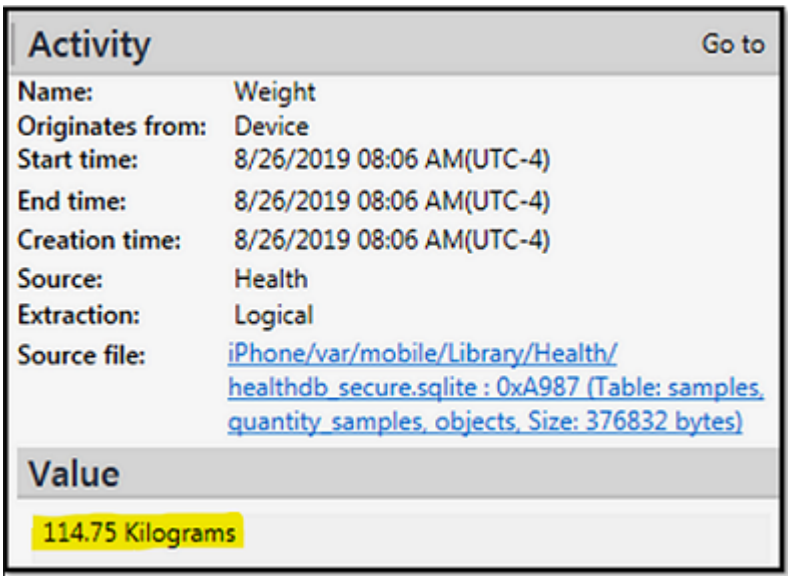


TABLE 1

Question 31 - Applications

Other Responses:
114.758776 Kilograms
Weight in database

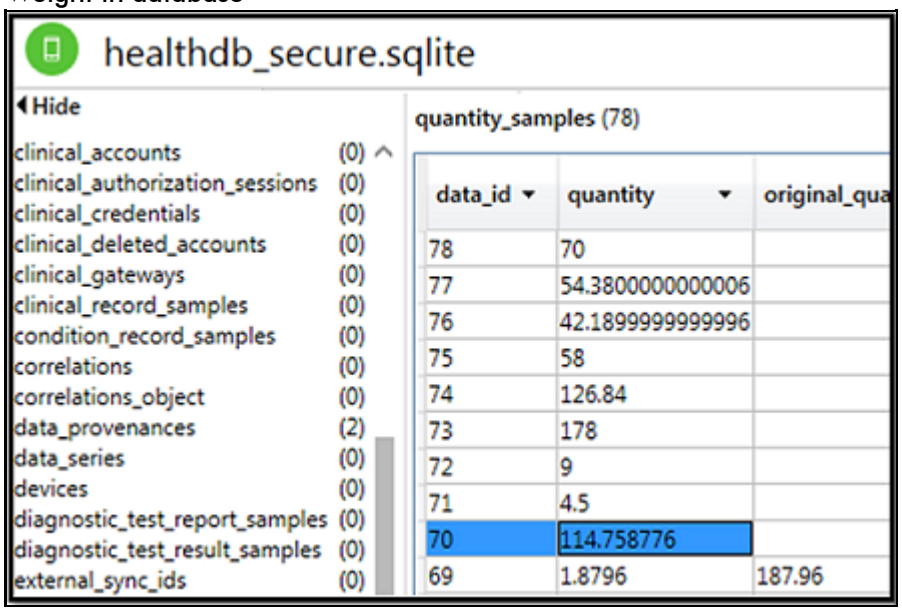


TABLE 1

Question 32 - Applications

Question 32: What is the username and password for the user's Starbucks account?

Manufacturer's Expected Response: jimmyburg@outlook.com, st@rBuck$&@1

WebCode	Response
3LERK2	jimmyburg@outlook.com, st@rBuck$&@1
3YKPN2	jimmyburg@outlook.com st@rBuck$&@1
46JNM6	starbucks.com (jimmyburg@outlook.com)/ st@rBuck$&@1
4G6TT9	jimmyburg@outlook.com st@rBuck$&@1
6BJMBY	jimmyburg@outlook.com, st@rBuck$&@1
6MMJRA	jimmyburg@outlook.com st@rBuck$&@1
6RZ9AX	username: jimmyburg@outlook.com, password: st@rBuck$&@1
744YHH	username: jimmyburg@outlook.com password: st@rBuck$&@1
7A88GY	jimmyburg@outlook.com st@rBuck$&@1
7KADMJ	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
7VATPG	jimmyburg@outlook.com st@rBuck$&@1
8LF8WN	jimmyburg@outlook.com, st@rBuck$&@1
8RNJWV	jimmyburg@outlook.com and st@rBuck$&@1
8WGVNL	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
977MZ6	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
9BJCHU	jimmyburg@outlook.com st@rBuck$&@1
9EHQ6J	jimmyburg@outlook.com st@rBuck$@1
9JQA7W	jimmyburg@outlook.com st@rBuck$&@1
9MCVYK	jimmyburg@outlook.com st@rBuck$&@1
A27XW4	jimmyburg@outlook.com st@rBuck$&@1
A3YXRT	jimmyburg@outlook.com, st@rBuck$&@1
AHTC3V	The username and password for the user's Starbucks account is (username:jimmyburg@outlook.com/password:st@rBuck$&@1).
APW8BV	jimmyburg@outlook.com st@rBuck$&@1
BLQ4ZJ	jimmyburg@outlook.com st@rBuck$&@1
BTBEVZ	Username = jimmyburg@outlook.com Password = st@rBuck$&@1
C37YJK	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
DGAFDT	jimmyburg@outlook.com / St@rBucks$&@1
DVAGRE	Jimmyburg@gmail.com ST@rBuck$&@1
E98X8E	Username: jimmyburg@outlook.com Password: st@rBuck$&@1

TABLE 1

Question 32 - Applications	
WebCode	**Response**
EQC6LG	jimmyburg@outlook.com st@rBuck$&@1
EXRYKJ	jimmyburg@outlook.com st@rBuck$&@1
F8Q3XR	username: jimmyburg@outlook.com and password: st@rBuck$&@1
FGGLKD	Username: jimmyburg@outlook.com, Password: st@rBuck$&@1
GC2LMD	jimmyburg@outlook.com st@rBuck$&@1
GFHXG9	jimmyburg@outlook.com st@rBuck$&@1
H7BBCE	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
HAV669	jimmyburg@outlook.com, st@rBuck$&@1
HCGC3B	Username: jimmyburg@outlook.com Password: st@rBuck$&@1 From keychain-backup.plist
HMYLYG	username: jimmyburg@outlook.com and password:st@rBuck$&@1
HT8ZPT	jimmyburg@outlook.com st@rBuck$&@1
JFW4T4	jimmyburg@outlook.com St@rBuck$c@1
JPKMHA	jimmyburg@outlook.com st@rBuck$&@1
JQZ26C	jimmyburg@outlook.com, st@rBuck$&@1
KDQN9J	jimmyburg@outlook.com st@rBuck$&@1
KGLKQH	jimmyburg@outlook.com st@rBuck$&@1
LVG9E3	username: jimmyburg@outlook.com password:st@rBuck$&@1
M2MH3A	Username: jimmyburg@outlook.com password: st@rBuck$&@1
M6LTXA	username: jimmyburg@outlook.com password: st@rBuck$&@1
MH4TK3	jimmyburg@outlook.com st@rBuck$&@1
MVHEGH	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
NQY2QE	jimmyburg@outlook.com st@rBuck$&@1
PHGUNF	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
PRMLA4	Account jimmyburg@outlook.com, Password: st@rBuck$&@1
QR7Z2E	username: jimmyburg@outlook.com password: st@rBuck$&@1
QXTVXC	jimmyburg@outlook.com, st@rBuck$&@1
R9BM7L	jimmyburg@outlook.com st@rBuck$&@1
RLTQZV	Username: jimmyburg@outlook.com, Password: st@rBuck$&@1
RLW29L	username – jimmyburg@outlook.com password - st@rBuck$&@1
RUK7PY	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
TNUXYE	username: jimmyburg@outlook password: st@rBuck$&@1
TRYCW6	jimmyburg@outlook.com st@rBuck$&@1

TABLE 1

Question 32 - Applications	
WebCode	**Response**
UH6Q4C	jimmyburg@outlook.com st@rBuck$&@1
UJZG4Y	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
UYA3RV	Username: jimmyburg@outlook.com Password: st@rBuck$&@1
UYKKD3	username - jimmyburg@outlook.com password - st@rBuck$&@1
V87BX8	jimmyburg@outlook.com st@rBuck$&@1
W99J9C	jimmyburg@outlook.com st@rBuck$&@1
XNWCEU	Username : jimmyburg@outlook.com, and Password is st@rBuck$&@1, found in iPhone/var/Keychain/keychain-backup.plist
YGZRWZ	jimmyburg@outlook.com st@rBuck$&@1
ZB77MC	jimmyburg@outlook.com st@rBuck$&@1
ZGQEKM	jimmyburg@outlook.com, st@rBuck$&@1

Question 32: What is the username and password for the user's Starbucks account?

Consensus Result: jimmyburg@outlook.com, st@rBuck$&@1

Expected Response Explanation:

The username and password for the user's Starbucks account can be found using the following path: /var/Keychains/keychain-backup.plist : 3 0x53430 0x202 Password.Data: st@rBuck$&@1.

Expected Response Illustration:

Username and Password

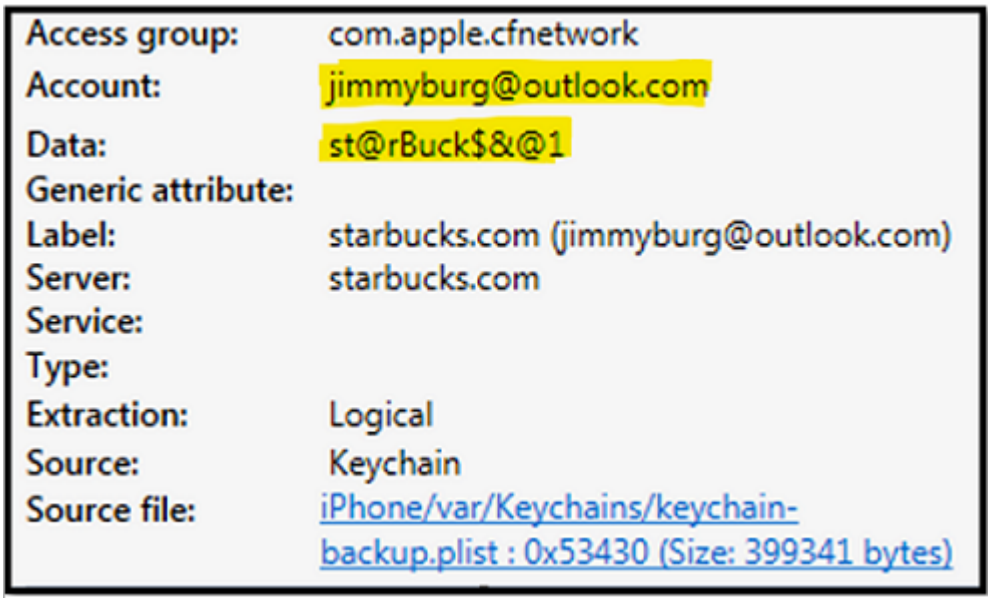


TABLE 1

Question 33 - Mapping / Navigation

Question 33: What was the name of the last location searched using the Waze application?

Manufacturer's Expected Response: IAD Blue Economy Parking Lot

WebCode	Response
3LERK2	IAD Blue Economy Parking Lot
3YKPN2	IAD Blue Economy Parking Lot
46JNM6	IAD Blue Economy Parking Lot
4G6TT9	IAD Blue Economy Parking Lot
6BJMBY	IAD Blue Economy Parking Lot
6MMJRA	IAD Blue Economy Parking Lot
6RZ9AX	IAD Blue Economy Parking Lot
744YHH	IAD Blue Economy Parking Lot
7A88GY	IAD Blue Economy Parking Lot
7KADMJ	IAD Blue Economy Parking Lot
7VATPG	IAD Blue Economy Parking Lot
8LF8WN	IAD Blue Economy Parking Lot
8RNJWV	IAD Blue Economy Parking Lot
8WGVNL	IAD Blue Economy Parking Lot
977MZ6	IAD Blue Economy Parking Lot
9BJCHU	"IAD Blue Economy Parking Lot" (38.965508, -77.446680)
9EHQ6J	IAD Blue Economy Parking Lot
9JQA7W	IAD Blue Economy Parking Lot
9MCVYK	IAD Blue Economy Parking Lot
A27XW4	IAD Blue Economy Parking Lot
A3YXRT	IAD Blue Economy Parking Lot
AHTC3V	The name of the last location searched using the Waze application was "IAD Blue Economy Parking Lot".
APW8BV	IAD Blue Economy Parking Lot
BLQ4ZJ	1AB Blue Economy Parking Lot
BTBEVZ	IAD Blue Economy Parking Lot
C37YJK	IAD Blue Economy Parking Lot
DGAFDT	IAD Blue Economy Parking Lot
DVAGRE	IAD Blue Economy Parking Lot
E98X8E	IAD Blue Economy Parking Lot
EQC6LG	IAD Blue Economy Parking Lot

TABLE 1

Question 33 - Mapping / Navigation	
WebCode	**Response**
EXRYKJ	IAD Blue Economy Parking Lot
F8Q3XR	IAD Blue Economy Parking Lot
FGGLKD	IAD Blue Economy Parking Lot
GC2LMD	IAD Blue Economy Parking Lot
GFHXG9	IAD Blue Economy Parking Lot
H7BBCE	IAD Blue Economy Parking Lot
HAV669	IAD Blue Economy Parking Lot
HCGC3B	IAD Blue Economy Parking Lot
HMYLYG	IAD Blue Economy Parking Lot
HT8ZPT	IAD Blue Economy Parking Lot
JFW4T4	38.965508, -77.446680 1AD Blue Economy Parking Lot
JPKMHA	IAB Blue Economy Parking Lot
JQZ26C	IAD Blue Economy Parking Lot
KDQN9J	IAD Blue Economy Parking Lot
KGLKQH	IAD Blue Economy Parking Lot
LVG9E3	IAD Blue Economy Parking Lot
M2MH3A	IAD Blue Economy Parking Lot
M6LTXA	IAD Blue Economy Parking Lot
MH4TK3	IAD Blue Economy Parking Lot
MVHEGH	(Lat/Lon) 38965508, -77446680 IAD Blue Economy Parking Lot
NQY2QE	IAD Blue Economy Parking Lot
PHGUNF	IAD Blue Economy Parking Lot
PRMLA4	IAD Blue Economy Parking Lot
QR7Z2E	IAD Blue Economy Parking Lot
QXTVXC	IAD Blue Economy Parking Lot
R9BM7L	IAD Blue Economy Parking Lot
RLTQZV	IAD Blue Economy Parking Lot
RLW29L	IAD Blue Economy Parking Lot
RUK7PY	IAD Blue Economy Parking Lot
TNUXYE	IAD Blue Economy Parking Lot
TRYCW6	IAD Blue Economy Parking Lot
UH6Q4C	IAD Blue Economy Parking Lot

TABLE 1

Question 33 - Mapping / Navigation	
WebCode	**Response**
UJZG4Y	IAD Blue Economy Parking Lot
UYA3RV	IAD Blue Economy Parking Lot
UYKKD3	IAD Blue Economy Parking Lot
V87BX8	IAD Blue Economy Parking Lot
W99J9C	IAD Blue Economy Parking Lot
XNWCEU	IAD Blue Economy Parking Lot was searched at 12:29:43 on 26th August 2019 ,Lat 38.965508, Long -77.446680 Path : iPhone/Applications/com.waze.iphone/Documents/user.db in the Recents table,
YGZRWZ	IAD Blue Economy Parking Lot
ZB77MC	IAD Blue Economy Parking Lot
ZGQEKM	IAD Blue Economy Parking Lot

Question 33: What was the name of the last location searched using the Waze application?

Consensus Result: IAD Blue Economy Parking Lot

Expected Response Explanation:

The name of the last location searched in the Waze application can be found using the following path: iPhone/Applications/com.waze.iphone/Documents/user.db: 2 0x2F04 0x4, /Applications/com.waze.iphone/Documents/user.db: Location.TimeStamp: 8/26/2019 08:29 AM(UTC-4).

Expected Response Illustration:

User search history

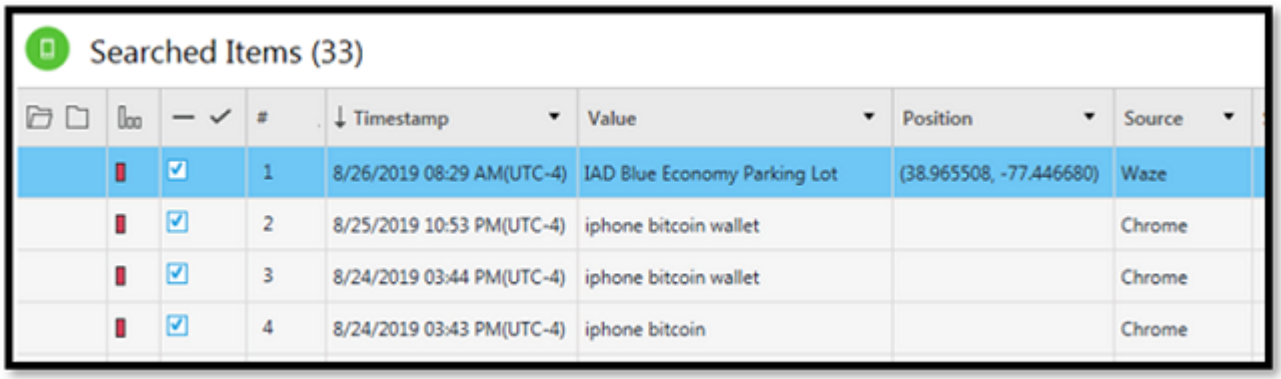


TABLE 1

Question 33 - Mapping / Navigation

Waze - Recents table

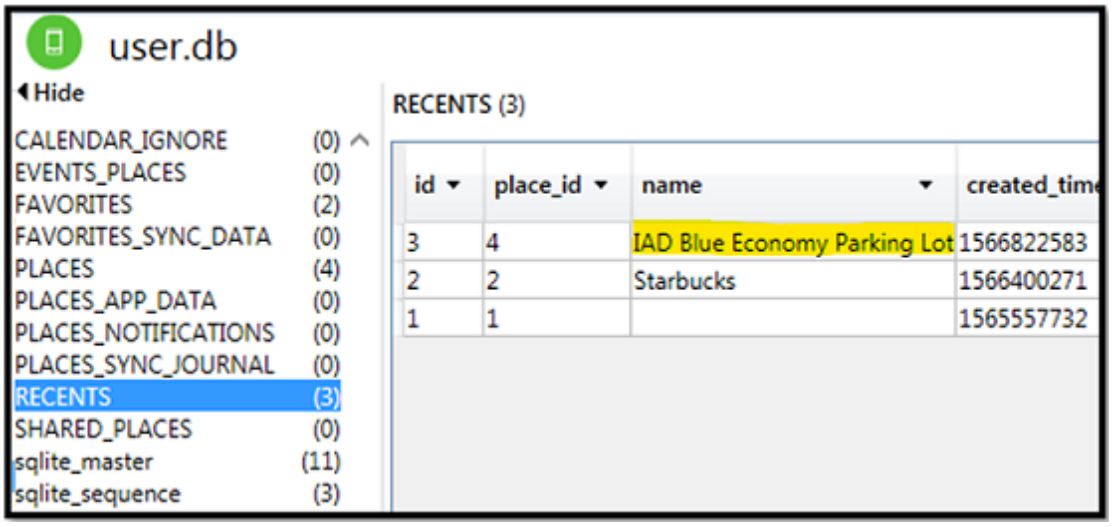


TABLE 1

Question 34 - Mapping / Navigation

Question 34: What is the address listed as Home in the Waze application?

Manufacturer's Expected Response: Woodridge Pkwy, 44050, Leesburg, VA, United States

WebCode	Response
3LERK2	Woodridge Pkwy, 44050, Leesburg, VA, United States
3YKPN2	Woodridge Pkwy, 44050, Leesburg, VA, United States
46JNM6	Woodridge Pkwy, 44050, Leesburg, VA, United States
4G6TT9	44050 Woodridge Pkwy Leesburg VA United States
6BJMBY	44050 Woodridge Pkwy, Leesburg, VA, United States
6MMJRA	44050 Woodridge Pkwy, Leesburg, VA, United States
6RZ9AX	44050 Woodridge Pkwy, Leesburg, VA, United States or Woodridge Pkwy, 44050, Leesburg, VA, United States
744YHH	Woodridge Pkwy, 44050, Leesburg, VA, United States
7A88GY	Woodridge Pkwy, 44050, Leesburg, VA, United States
7KADMJ	Woodridge Pkwy, 44050, Leesburg, VA,United States
7VATPG	Woodridge Pkwy, 44050, Leesburg, VA, United States
8LF8WN	44050 Woodridge Pkwy, Leesburg, VA
8RNJWV	Woodridge Pkwy, 44050, Leesburg, VA, United States
8WGVNL	Woodridge Pkwy, 44050, Leesburg, VA, United States
977MZ6	Woodridge Pkwy, 44050, Leesburg, VA, United States
9BJCHU	Woodridge Pkwy, 44050, Leesburg, VA, United States (39.079948, -77.476562)
9EHQ6J	Woodbridge Pkwy, 44050, Leesburg, VA, United States
9JQA7W	Woodridge Pkwy, 44050, Leesburg, VA, United States
9MCVYK	Woodridge Pkwy, 44050, Leesburg, VA, United States
A27XW4	Woodridge Pkwy, 44050, Leesburg, VA, United States
A3YXRT	Woodridge Pkwy, 44050, Leesburg, VA, United States
AHTC3V	The address listed as Home in the Waze application is "Woodridge Pkwy, 44050, Leesburg, VA, United States".
APW8BV	Woodridge Pkwy, 44050, Leesburg, VA, United States
BLQ4ZJ	Woodridge Pkwy, 44050 Leesburg VA, United States
BTBEVZ	Woodridge Pkwy, 44050, Leesburg, VA, United States
C37YJK	44050, Woodridge Pkwy, Leesburg, VA, United States
DGAFDT	Woodridge Pkwy Leesburg VA United States 44050
DVAGRE	Woodridge Pkwy, 44050, Leesburg, VA, United States
E98X8E	Woodridge Pkwy, 44050, Leesburg, VA, United States

TABLE 1

Question 34 - Mapping / Navigation	
WebCode	**Response**
EQC6LG	Woodridge Pkwy, 44050, Leesburg, VA, United States
EXRYKJ	44050 Woodridge Pkwy, Leesburg, VA United States
F8Q3XR	House 44050 Street Woodridge Pkwy City Leesburg Country United States (Latitude: 39079948 and Longitude: -77476562)
FGGLKD	Woodridge Pkwy, 44050, Leesburg, VA, United States
GC2LMD	Woodridge Pkwy, 44050, Leesburg, VA
GFHXG9	Woodridge Pkwy, 44050, Leesburg, VA, United States
H7BBCE	Woodridge Pkwy, 44050, Leesburg, VA, United States
HAV669	Woodridge Pkwy, 44050, Leesburg, VA, United States
HCGC3B	From Waze user.db | Faviourites | places Id's cross referenced to give home address as: Woodridge Way, Leesburg, VA, 44050 Long:-7747652 Lat:39079948
HMYLYG	Woodridge Pkwy, 44050, Leesburg, VA, United States
HT8ZPT	Woodridge Pkwy, 44050, Leesburg, VA, United States
JFW4T4	Woodridge.PV.wg, 44050, Leesburg, VA, USA
JPKMHA	Woodridge Pkwy, 44050, Leesburg, VA, United States
JQZ26C	Woodridge Pkwy, 44050, Leesburg, VA, United States
KDQN9J	44050 Woodridge Pkwy, Leesburg, VA, United States
KGLKQH	Woodridge Pkwy, 44050, Leesburg, VA, United States
LVG9E3	Woodridge Pkwy, 44050, Leesburg, VA, United States
M2MH3A	Woodridge Pkwy, 44050, Leesburg, VA, United States
M6LTXA	Woodridge Pkwy, 44050, Leesburg, VA, United States
MH4TK3	Woodridge Pkwy, 44050, Leesburg, VA, United States
MVHEGH	LAT: 39.079948, Long: -77.476562 Woodridge Pkwy, 44050, Leesburg, VA, United States
NQY2QE	44050 Woodridge Pkwy, Leesburg, VA, United States
PHGUNF	44050 Woodridge Pkwy, Leesburg, VA, United States
PRMLA4	Woodridge Pkwy, 44050, Leesburg, VA, United States
QR7Z2E	street:Woodridge Pkwy city: Leesburg state:VA country: United States house:44050 longitude: -77476562 latitude: 39079948
QXTVXC	Woodridge Pkwy, 44050, Leesburg, VA, United States
R9BM7L	Woodridge PkwyLeesburgVAUnited States44050
RLTQZV	44050 Woodridge Pkwy, Leesburg, VA, United States
RLW29L	Woodridge Pkwy, 44050, Leesburg, VA, United States
RUK7PY	Woodridge Pkwy, 44050, Leesburg, VA, United States

TABLE 1

Question 34 - Mapping / Navigation	
WebCode	**Response**
TNUXYE	Woodridge Pkwy, 44050, Leesburg, VA, United States
TRYCW6	44050 Woodridge Pkwy Leesburg VA United States
UH6Q4C	Woodridge Pkwy, 44050, Leesburg, VA, United States
UJZG4Y	Woodridge Pkwy, 44050, Leesburg, VA, United States
UYA3RV	Woodridge Pkwy, 44050, Leesburg, VA, United States
UYKKD3	Woodridge Pkwy, 44050, Leesburg, VA, United States
V87BX8	Woodridge Pkwy, 44050, Leesburg, VA, United States
W99J9C	44050 Woodridge Pkwy Leesburg VA United States
XNWCEU	Woodridge Way, Leesburg, VA, United States Path : iPhone/Applications/com.waze.iphone/Documents/user.db, in the favourites table
YGZRWZ	44050 Woodridge Pkwy Leesburg,VA United States
ZB77MC	Woodridge Pkwy, 44050, Leesburg, VA, United States
ZGQEKM	Woodridge Pkwy, 44050, Leesburg, VA, United States

Question 34: What is the address listed as Home in the Waze application?

Consensus Result: Woodridge Pkwy, 44050, Leesburg, VA, United States and all formatting styles which represent the same information.

Expected Response Explanation:

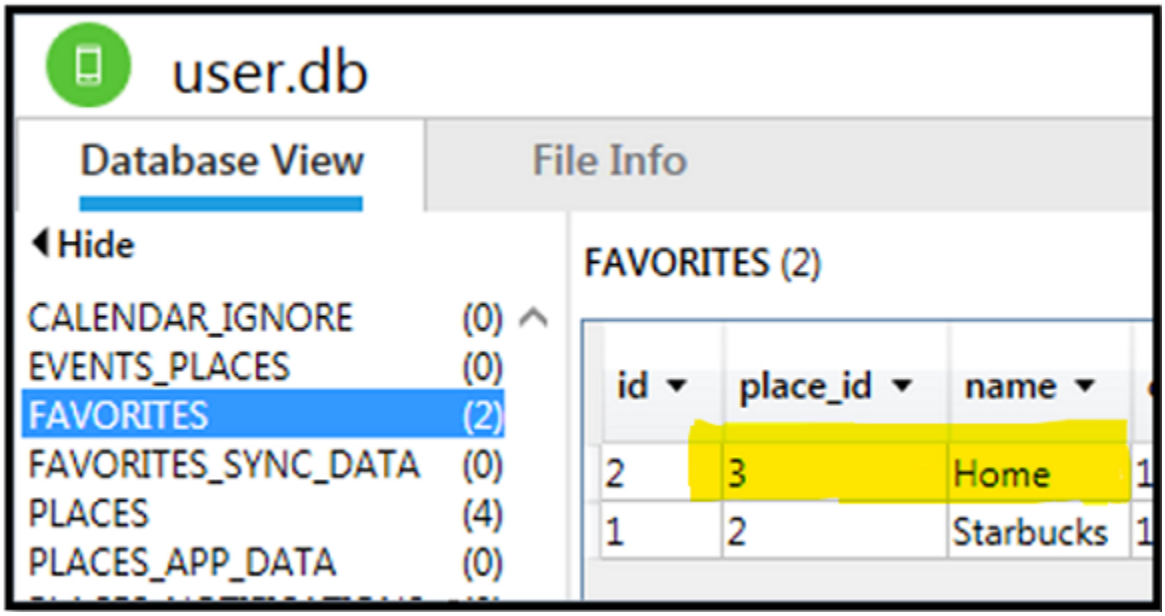
The address listed as "Home" in the Waze application can be found using the following path: /Applications/com.waze.iphone/Documents/user.db:favorites :1 0x1FC3 0x4 Location.Name: Home, table resolve name: home to place_id:3, favoritestable:place_id:3 = 44050 Woodridge Pkwy, Leesburg, VA.

TABLE 1

Question 34 - Mapping / Navigation

Expected Response Illustration:

Favorites in Waze



Places in Waze

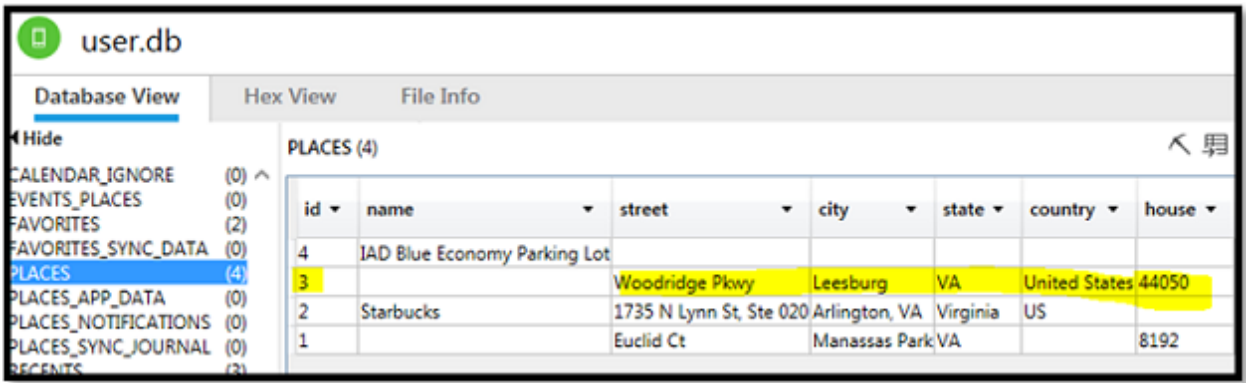


TABLE 1

Question 35 - Mapping / Navigation

Question 35: Other than Home, what is the name of the other favorited waze location?

Manufacturer's Expected Response: Starbucks

WebCode	Response
3LERK2	Starbucks
3YKPN2	Starbucks
46JNM6	Starbucks
4G6TT9	Starbucks
6BJMBY	Starbucks
6MMJRA	Starbucks
6RZ9AX	Starbucks
744YHH	Woodridge Pkwy, 44050, Leesburg, VA, United States
7A88GY	Starbucks
7KADMJ	Starbucks
7VATPG	Starbucks
8LF8WN	Starbucks
8RNJWV	Starbucks
8WGVNL	Starbucks
977MZ6	Starbucks
9BJCHU	Starbucks (1735 N Lynn St, Ste 020, Arlington, VA, Virginia, US)
9EHQ6J	Starbucks
9JQA7W	Starbucks
9MCVYK	Starbucks
A27XW4	Starbucks
A3YXRT	Starbucks
AHTC3V	The name of the other favorited waze location is Starbucks.
APW8BV	Starbucks
BLQ4ZJ	Starbucks
BTBEVZ	Starbucks
C37YJK	Starbucks
DGAFDT	Starbucks
DVAGRE	Starbucks
E98X8E	Starbucks
EQC6LG	Starbucks

TABLE 1

Question 35 - Mapping / Navigation	
WebCode	**Response**
EXRYKJ	Starbucks
F8Q3XR	Starbucks
FGGLKD	Starbucks
GC2LMD	Starbucks
GFHXG9	Starbucks
H7BBCE	Starbucks
HAV669	Starbucks
HCGC3B	Starbucks
HMYLYG	Starbucks
HT8ZPT	Starbucks
JFW4T4	Starbucks
JPKMHA	Starbucks
JQZ26C	Starbucks
KDQN9J	Starbucks
KGLKQH	Starbucks
LVG9E3	Starbucks
M2MH3A	Starbucks
M6LTXA	Starbucks
MH4TK3	Starbucks
MVHEGH	Starbucks
NQY2QE	Starbucks
PHGUNF	Starbucks
PRMLA4	Starbucks
QR7Z2E	Starbucks
QXTVXC	Starbucks
R9BM7L	Starbucks
RLTQZV	Starbucks
RLW29L	Starbucks
RUK7PY	Starbucks
TNUXYE	Starbucks
TRYCW6	Starbucks
UH6Q4C	Starbucks

TABLE 1

Question 35 - Mapping / Navigation	
WebCode	**Response**
UJZG4Y	Starbucks
UYA3RV	Starbucks
UYKKD3	Starbucks
V87BX8	Starbucks
W99J9C	Starbucks
XNWCEU	Starbucks Path : iPhone/Applications/com.waze.iphone/Documents/user.db, in the favourites table
YGZRWZ	Starbucks
ZB77MC	Starbucks
ZGQEKM	Starbucks

Question 35: Other than Home, what is the name of the other favorited waze location?

Consensus Result: Starbucks

Expected Response Explanation:

The favorite locations stored in the waze application can be found using the following path: /Applications/com.waze.iphone/Documents/user.db : 1 0x1FE9 0x9 Location.Name: Starbucks.

Expected Response Illustration:

Location Favorites in Waze

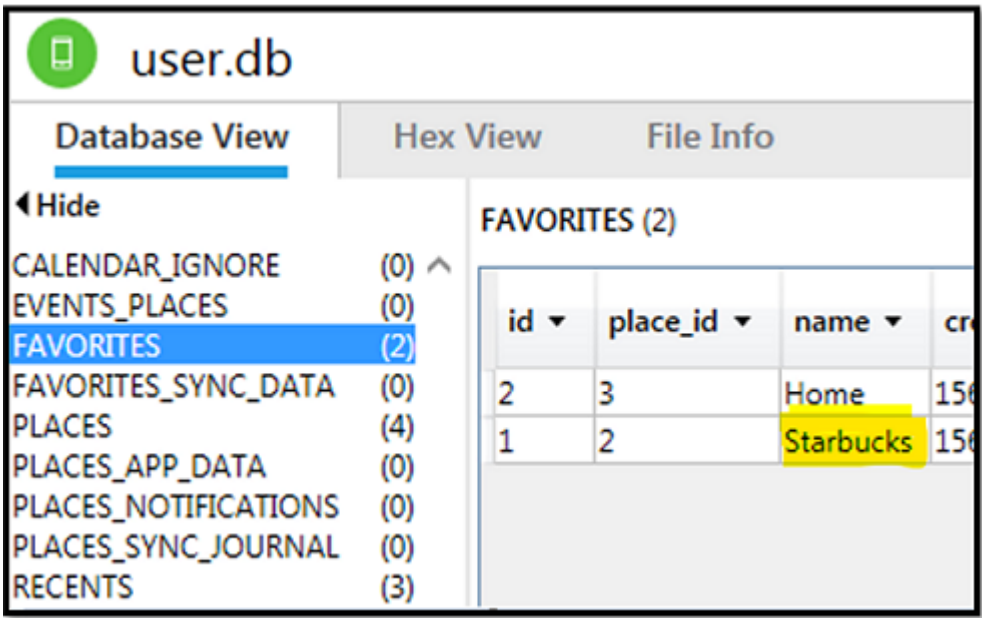


TABLE 1

Question 36 - Photo Metadata

Question 36: Was the flash used to take IMG_0010.JPG?

Manufacturer's Expected Response: Yes

WebCode	Response
3LERK2	yes
3YKPN2	yes
46JNM6	Yes
4G6TT9	Yes
6BJMBY	No
6MMJRA	Yes
6RZ9AX	Yes
744YHH	yes
7A88GY	Yes
7KADMJ	Yes
7VATPG	yes
8LF8WN	Yes. The value is 1, which usually means flash was enabled or on.
8RNJWV	Yes
8WGVNL	Yes
977MZ6	Yes
9BJCHU	Yes
9EHQ6J	Yes
9JQA7W	yes
9MCVYK	Yes "1"
A27XW4	Yes
A3YXRT	Yes
AHTC3V	This picture was taked using a flash.
APW8BV	Yes
BLQ4ZJ	Yes
BTBEVZ	Yes
C37YJK	Yes
DGAFDT	Yes
DVAGRE	Yes (1)
E98X8E	Yes
EQC6LG	1

TABLE 1

Question 36 - Photo Metadata	
WebCode	**Response**
EXRYKJ	Yes
F8Q3XR	Yes, Flash is used in the picture.
FGGLKD	Yes
GC2LMD	Yes "1"
GFHXG9	Yes
H7BBCE	Yes
HAV669	YES
HCGC3B	Yes, value of 1 set for flash in metadata
HMYLYG	No
HT8ZPT	Yes
JFW4T4	Yes
JPKMHA	Yes
JQZ26C	EXIF: Flash 1
KDQN9J	Yes
KGLKQH	Yes
LVG9E3	YES
M2MH3A	Yes
M6LTXA	yes
MH4TK3	ye
MVHEGH	Yes
NQY2QE	Yes
PHGUNF	Yes
PRMLA4	Yes
QR7Z2E	yes
QXTVXC	Yes
R9BM7L	Yes
RLTQZV	Yes
RLW29L	Yes
RUK7PY	Yes
TNUXYE	Yes
TRYCW6	Yes
UH6Q4C	Yes

TABLE 1

Question 36 - Photo Metadata	
WebCode	**Response**
UJZG4Y	Yes, 1
UYA3RV	Yes
UYKKD3	Yes
V87BX8	YES
W99J9C	Yes
XNWCEU	Yes, set to 1 (i.e. True) in the configurations. Taken on 26/08/2019 03:28 (Device)[26/08/2019 02:28 UTC] Path: iPhone/var/private/var/mobile/Media/DCIM/100APPLE/
YGZRWZ	Yes
ZB77MC	Yes
ZGQEKM	Yes

Question 36: Was the flash used to take IMG_0010.JPG?

Consensus Result: Both responses "Yes" or "1" were accepted.

Expected Response Explanation:

The expected response was "Yes" however, since there was some ambiguity in the question as to what type of response was requested, some participants reported "1" which was the value indicating that the flash was used. The response of "1" was also accepted. To determine whether the flash was used to take the photo "IMG_0010.JPG, use the following path: iPhone/var/mobile/Media/DCIM/100APPLE/IMG_0010.JPG.

Expected Response Illustration:

Camera settings

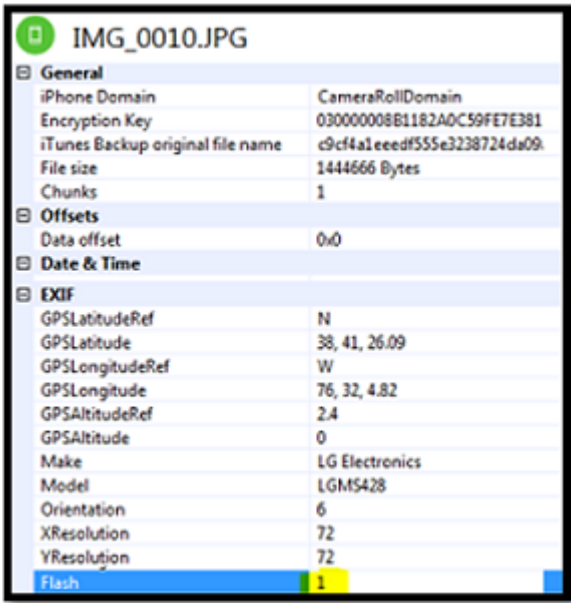


TABLE 1

Question 37 - Photo Metadata

Question 37: What model camera was used to capture photo "IMG_0010.JPG"?

Manufacturer's Expected Response: LGMS428

WebCode	Response
3LERK2	LGMS428
3YKPN2	LGMS428
46JNM6	LGMS428
4G6TT9	LGMS428
6BJMBY	LGMS428
6MMJRA	LGMS428
6RZ9AX	LGMS428
744YHH	LGMS428
7A88GY	LGMS428
7KADMJ	LGMS428
7VATPG	LGMS428
8LF8WN	LGMS428
8RNJWV	LG Electronics LGMS428
8WGVNL	LGMS428
977MZ6	LGMS428
9BJCHU	LG Electronics LGMS428
9EHQ6J	LG Electronics LGMS428
9JQA7W	LGMS428
9MCVYK	LGMS428
A27XW4	LGMS428
A3YXRT	LGMS428
AHTC3V	This picture was taked using the "LGMS428" camera model.
APW8BV	LGMS428
BLQ4ZJ	LGMS428
BTBEVZ	LGMS428
C37YJK	LGMS428
DGAFDT	LG MS428
DVAGRE	LGMS428
E98X8E	LGMS428
EQC6LG	LGMS428

TABLE 1

Question 37 - Photo Metadata	
WebCode	**Response**
EXRYKJ	LGMS428
F8Q3XR	LGMS428
FGGLKD	LG Electronics, LGMS428
GC2LMD	LGMS428
GFHXG9	LGMS428
H7BBCE	LGMS428
HAV669	LG Electronics
HCGC3B	LG LGMS428
HMYLYG	LGMS428
HT8ZPT	LGMS428
JFW4T4	LGMS428
JPKMHA	LGMS428
JQZ26C	LGMS428
KDQN9J	LGMS428
KGLKQH	LGMS428
LVG9E3	LGMS428
M2MH3A	LGMS428
M6LTXA	LGMS428
MH4TK3	LGMS428
MVHEGH	Model: LGMS428 Make: LG Electronics
NQY2QE	LGMS428
PHGUNF	LG Electronics LGMS428
PRMLA4	LG MS428
QR7Z2E	LGMS428
QXTVXC	LGMS428
R9BM7L	LGMS428
RLTQZV	LGMS428
RLW29L	LGMS428
RUK7PY	LGMS428
TNUXYE	LGMS428
TRYCW6	LGMS428
UH6Q4C	LGMS428

TABLE 1

Question 37 - Photo Metadata	
WebCode	**Response**
UJZG4Y	LGMS428
UYA3RV	LGMS428
UYKKD3	LGMS428
V87BX8	LGMS428
W99J9C	LGMS428
XNWCEU	LGMS428 manufactured by LG Electronics Path: iPhone/var/private/var/mobile/Media/DCIM/100APPLE/
YGZRWZ	LGMS428
ZB77MC	LGMS428
ZGQEKM	LGMS428

Question 37: What model camera was used to capture photo "IMG_0010.JPG"?

Consensus Result: LGMS428

Expected Response Explanation:

The camera model used to capture photo "IMG_0010.JPG" can be found using the following path: iPhone/var/mobile/Media/DCIM/100APPLE/IMG_0010.JPG.

Expected Response Illustration:

Camera Model

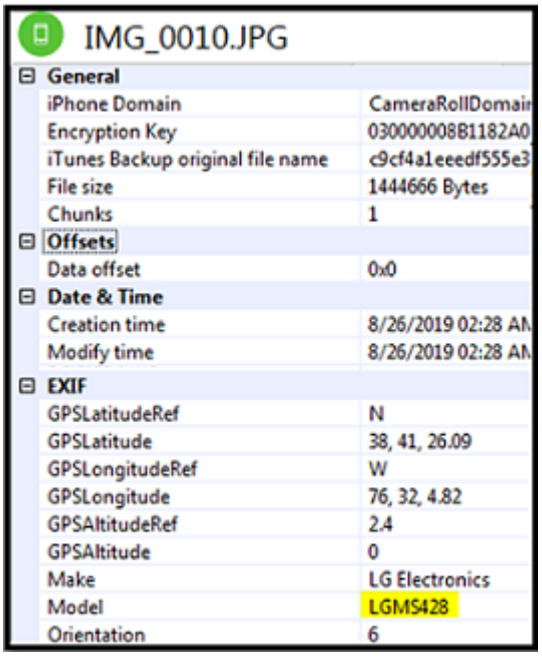


TABLE 1

Question 38 - Web History

Question 38: What did the user last search on eBay?

Manufacturer's Expected Response: dumpsters

WebCode	Response
3LERK2	Dumpsters
3YKPN2	Dumpster
46JNM6	Dumpsters
4G6TT9	dumpsters
6BJMBY	Dumpster
6MMJRA	dumpsters
6RZ9AX	dumpsters
744YHH	dumpsters
7A88GY	dumpsters
7KADMJ	dumpsters
7VATPG	used 20 & 30 yard roll container dumpster
8LF8WN	“Used 20 & 30 Yard Roll Off Container Dumpster"
8RNJWV	dumpsters
8WGVNL	dumpsters
977MZ6	dumpsters
9BJCHU	dumpsters
9EHQ6J	Used 20 and 30 yard roll off container dumpster
9JQA7W	Used 20 & 30 Yard Roll Off Container Dumpster
9MCVYK	Used 20 & 30 Yard Roll Off Container Dumpster
A27XW4	dumpsters
A3YXRT	dumpsters
AHTC3V	The user last search on eBay was "Used 20 & 30 Yard Roll Off Container Dumpster".
APW8BV	dumpsters
BLQ4ZJ	used 20 & 30 Yard Roll Off Container Dumpster
BTBEVZ	dumpsters
C37YJK	dumpsters
DGAFDT	dumpsters
DVAGRE	Used 20 & 30 Yard Roll Off Container Dumpster
E98X8E	dumpsters
EQC6LG	Used 20 & 30 Yard Roll Off Container Dumpster

TABLE 1

Question 38 - Web History	
WebCode	**Response**
EXRYKJ	Dumpsters
F8Q3XR	dumpsters
FGGLKD	dumpsters
GC2LMD	Used 20 & 30 Yard Roll Off Container Dumpster
GFHXG9	Dumpsters
H7BBCE	Used 20 & 30 Yard Roll Off Container Dumpster
HAV669	dumpsters
HCGC3B	Safari browser history.db 20 & 30 yard roll off container dumpster
HMYLYG	Used 20 & 30 Yard Roll Off Container Dumpster
HT8ZPT	Used 20 & 30 Yard Roll Off Container Dumpster
JFW4T4	Dumpsters
JPKMHA	Used 20 & 30 Yard Roll Off Container Dumpster
JQZ26C	dumpsters
KDQN9J	dumpsters
KGLKQH	Used 20 & 30 Yard Roll Off Container Dumpster
LVG9E3	Used 20 & 30 Yard Roll Off Container Dumpster
M2MH3A	"Dumpsters" was the last user search on eBay with the page "Used 20 & 30 Yard Roll Off Container Dumpster | eBay" item displaying a few seconds later.
M6LTXA	dumpsters
MH4TK3	Used 20 & 30 Yard Roll Off Container Dumpster
MVHEGH	Used 20 & 30 Yard Roll Off Container Dumpster | eBay
NQY2QE	dumpsters
PHGUNF	The last item searched was "Used 20 & 30 Yard Roll Off Container Dumpster". The last keyword searched was the word "dumpsters".
PRMLA4	oil water separator
QR7Z2E	dumpsters
QXTVXC	dumpsters
R9BM7L	dumpsters
RLTQZV	dumpsters
RLW29L	dumpsters
RUK7PY	Used 20 & 30 Yard Roll Off Container Dumpster
TNUXYE	Used 20 & 30 Yard Roll Off Container Dumpster|eBay
TRYCW6	dumpsters

TABLE 1

Question 38 - Web History	
WebCode	**Response**
UH6Q4C	dumpsters
UJZG4Y	dumpsters | eBay
UYA3RV	Dumpsters
UYKKD3	Used 20 & 30 Yard Roll Off Container Dumpster
V87BX8	dumpsters
W99J9C	dumpsters
XNWCEU	Used 20 & 30 Yard Roll Off Container Dumpster , searched on 24th August 2019 15:11 (device) (24th August 14:11 UTC) Path: iPhone/Applications/com.apple.mobilesafari/Library/Safari/History.db , in Table history_visits
YGZRWZ	dumpsters
ZB77MC	Dumpsters
ZGQEKM	dumpsters

Question 38: What did the user last search on eBay?

Consensus Result: dumpsters and all formatting styles which represent the same information.

Expected Response Explanation:

Information regarding what the user last searched on eBay can be found using the following path: /Applications/com.apple.mobilesafari/Library/Safari/History.db : 3 0x4B55 0x10 VisitedPage.Title: dumpsters | eBay.

Expected Response Illustration:

Safari History

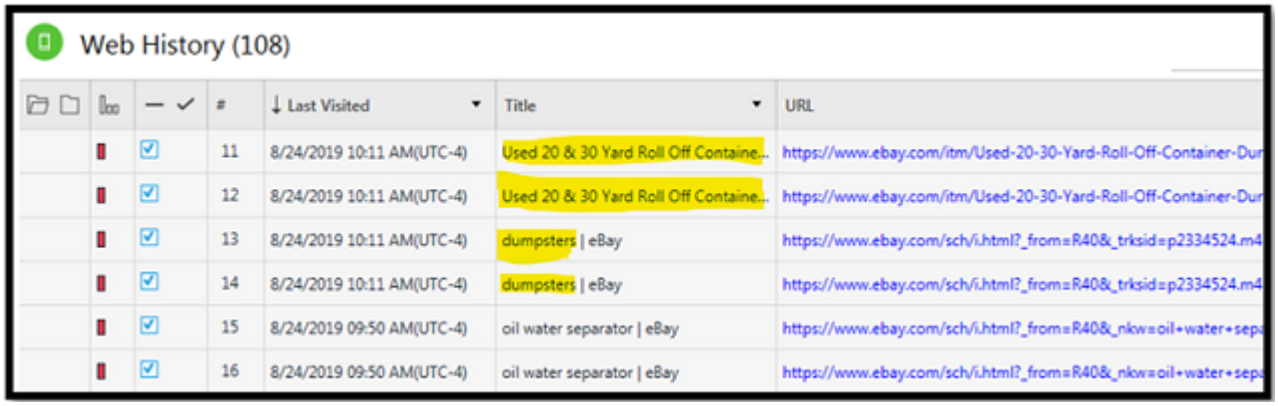


TABLE 1

Question 39 - Web History

Question 39: What phone number did the user search using Google?

Manufacturer's Expected Response: 18004248802

WebCode	Response
3LERK2	+1 (800) 424-8802
3YKPN2	+1 (800) 424-8802
46JNM6	+1 (800) 424-8802
4G6TT9	+1 (800) 424-8802
6BJMBY	1 (800) 424-8802
6MMJRA	+1 (800) 424-8802
6RZ9AX	+1 (800) 424-8802, 18004248802, 1 (800) 424-8802
744YHH	+1 (800) 424-8802
7A88GY	+1 (800) 424-8802
7KADMJ	+1 (800) 424-8802
7VATPG	1 (800) 424-8802
8LF8WN	1 (800) 424-8802
8RNJWV	+1 (800) 424-8802
8WGVNL	+1 (800) 424-8802
977MZ6	+1(800) 424-8802
9BJCHU	1 (800) 424-8802
9EHQ6J	1 (800) 424-8802
9JQA7W	+1 (800) 424-8802
9MCVYK	+1(800) 424-8802
A27XW4	+1 (800) 424-8802
A3YXRT	1 (800) 424-8802
AHTC3V	The phone number was "+1 (800) 424-8802".
APW8BV	+1 (800) 424-8802
BLQ4ZJ	+1(800)424-8802
BTBEVZ	+1 (800) 424-8802
C37YJK	+1 (800) 424-8802
DGAFDT	18004248802
DVAGRE	1(800)424-8802
E98X8E	+1 (800) 424-8802
EQC6LG	+1 (800) 424-8802

TABLE 1

Question 39 - Web History	
WebCode	**Response**
EXRYKJ	1 (800)424-8802
F8Q3XR	+1(800)424-8802
FGGLKD	+1 (800) 424-8802
GC2LMD	(800) 424-8802
GFHXG9	+1 (800) 424-8802
H7BBCE	+ 1 (800) 424-8802
HAV669	+1 (800) 424-8802
HCGC3B	+1 (800) 424-8802
HMYLYG	+1 (800) 424-8802
HT8ZPT	+1 (800) 424-8802
JFW4T4	+1 (800) 424-8802
JPKMHA	1 (800) 424-8802
JQZ26C	+1 (800) 424-8802
KDQN9J	+1(800)424-8802
KGLKQH	+1 (800) 424-8802
LVG9E3	+1 (800) 424-8802
M2MH3A	+1 (800) 424-8802
M6LTXA	+18004248802
MH4TK3	+1 (800) 424-8802
MVHEGH	+1 (800) 424-8802
NQY2QE	+1 (800) 424-8802
PHGUNF	+1 (800) 424-8802
PRMLA4	+1 (800) 424-8802
QR7Z2E	+1 (800) 424-8802
QXTVXC	+1 (800) 424-8802
R9BM7L	+1 (800) 424-8802
RLTQZV	+1 (800) 424-8802
RLW29L	18004248802
RUK7PY	+1 (800) 424-8802
TNUXYE	1-800-424-8802
TRYCW6	1 (800) 424-8802
UH6Q4C	+1 (800) 424-8802

TABLE 1

Question 39 - Web History	
WebCode	**Response**
UJZG4Y	+1 (800) 424-8802 - Google Search
UYA3RV	1-800-424-8802
UYKKD3	+1 (800) 424-8802
V87BX8	+1 (800) 424-8802
W99J9C	+1 (800) 424-8802
XNWCEU	+1 (800) 424-8802 - Google Search, made on 23rd August 2019 (Device)[23/08/2019 13:29 UTC], https://www.google.com/search?q=%E2%80%AD%2B1+(800)+424-8802%E2%80%AC&rlz=1CDGOYI_enUS862US862&hl=en-US&sourceid=chrome-mobile&ie=UTF-8 Path: iPhone/Applications/com.google.chrome.ios/Library/Application_Support/Google/Chrome/Default/History
YGZRWZ	+1 (800) 424-8802
ZB77MC	+1 (800) 424-8802
ZGQEKM	+1 (800) 424-8802

Question 39: What phone number did the user search using Google?

Consensus Result: 18004248802

Expected Response Explanation:

The phone number searched on this device using Google can be found following this path: /Applications/com.google.chrome.ios/Library/Application Support/Google/Chrome/Default/History : 3 0x1E186 0x27 VisitedPage.Title: +1 (800) 424-8802 - Google Search.

Expected Response Illustration:

Chrome History

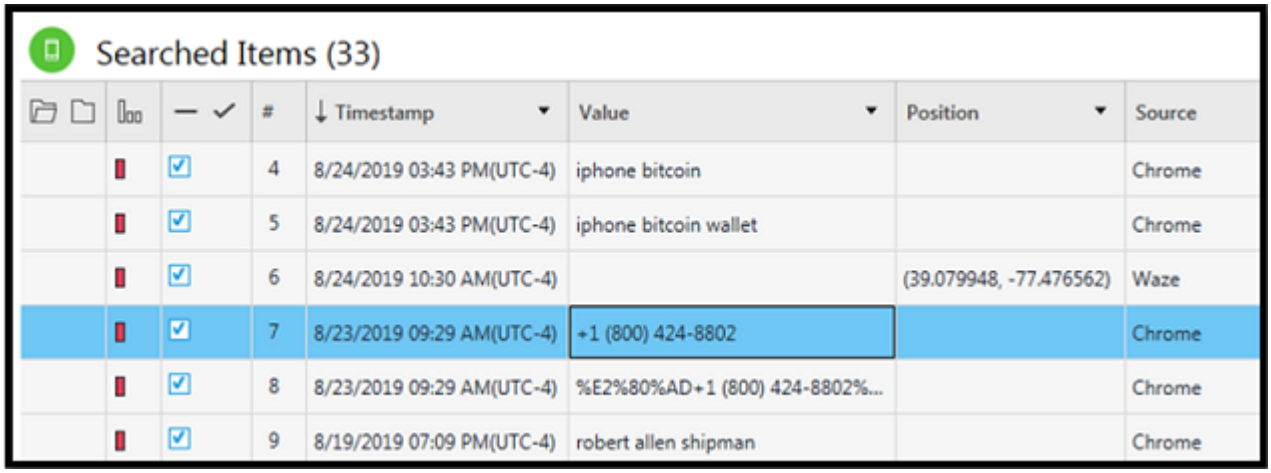


TABLE 1

Question 40 - Web History

Question 40: To what organization does the phone number reported in Question #39 belong?

Manufacturer's Expected Response: United States Environmental Protection Agency (EPA) National Response Center

WebCode	Response
3LERK2	National Response Center (US EPA)
3YKPN2	United States Environmental Protection Agency
46JNM6	USCG National Response Center
4G6TT9	United States Environmental Protection Agency National Response Center
6BJMBY	National Response Center
6MMJRA	EPA
6RZ9AX	EPA, Environmental Protection Agency, National Response Center | Emergency Response | US EPA
744YHH	National Response Center | Emergency Response | US EPA
7A88GY	United States Environmental Protection Agency
7KADMJ	The National Response Center of the Environmental Protection Agency
7VATPG	EPA (Environmental Protection Agency)
8LF8WN	United States Coast Guard National Response Center
8RNJWV	National Response Center, Emergency Response, US EPA
8WGVNL	National Response Center
977MZ6	National Response Center
9BJCHU	EPA National Response Center
9EHQ6J	EPA Emergency Response National Response Center
9JQA7W	National Response Center | Emergency Response | US EPA
9MCVYK	National Response Center | Emergency Response | US EPA
A27XW4	United States Environmental Protection Agency
A3YXRT	National Response Center | Emergency Response | US EPA
AHTC3V	The organization is "The National Response Center".
APW8BV	National Response Center | Emergency Response | US EPA
BLQ4ZJ	National Response Center|Emergence Response|US EPA https://www.epa.gov/emergency-response/national-response-center
BTBEVZ	US Environmental Protection Agency
C37YJK	National Response Center (NRC), EPA, US
DGAFDT	National Response Center | Emergency Response | US EPA
DVAGRE	National Response Center Environmental Protection Agency EPA
E98X8E	National Response Center | Emergency Response | US EPA

TABLE 1

Question 40 - Web History	
WebCode	**Response**
EQC6LG	National Response Center
EXRYKJ	National Response Center
F8Q3XR	National Response Center|Emergency Response|US EPA
FGGLKD	National Response Center | Emergency Response | US EPA
GC2LMD	National Response Center Emergency Response US EPA
GFHXG9	National Response Center
H7BBCE	National Response Center (NRC)
HAV669	National Response Center | Emergency Response | US EPA
HCGC3B	Epa.gov - National Response centre
HMYLYG	It belongs to the EPA's National Response Center
HT8ZPT	EPA - National Response Center
JFW4T4	National Response Center EPA
JPKMHA	EPA - National Response Center
JQZ26C	The US Coast Guard
KDQN9J	National Response Center
KGLKQH	National Response Center | Emergency Response | US EPA
LVG9E3	EPA (The Environmental Protection Agency)National Response Center
M2MH3A	Environmental Protection Agency (EPA)
M6LTXA	National Response Center, United States of America
MH4TK3	National Response Center US EPA
MVHEGH	National Response Center US EPA
NQY2QE	National Response Center
PHGUNF	National Response Center | Emergency Response | US EPA
PRMLA4	United States Environmental Protection Agency
QR7Z2E	National Response Center
QXTVXC	EPA, Environmental Protection Agency, National Response Center | Emergency Response | US EPA
R9BM7L	EPA
RLTQZV	National Response Center (USCG) / US EPA
RLW29L	The National Response Center
RUK7PY	Environmental Protection Agency
TNUXYE	com.apple.madrid (Apple)
TRYCW6	National Response Center

TABLE 1

Question 40 - Web History	
WebCode	**Response**
UH6Q4C	National Response Center | Emergency Response | US EPA
UJZG4Y	National Response Center
UYA3RV	National Response Center - US EPA
UYKKD3	National Response Center | Emergency Response | US EPA
V87BX8	EPA National Response Center
W99J9C	United States Environmental Protection Agency
XNWCEU	The number +1 (800) 424-8802 is allocated to - National Response Center , Emergency Response, US EPA (United States Environmental Protection Agency)
YGZRWZ	National Response Center | Emergency Response | US EPA
ZB77MC	US EPA
ZGQEKM	National Response Center (NRC)

Question 40: To what organization does the phone number reported in Question #39 belong?

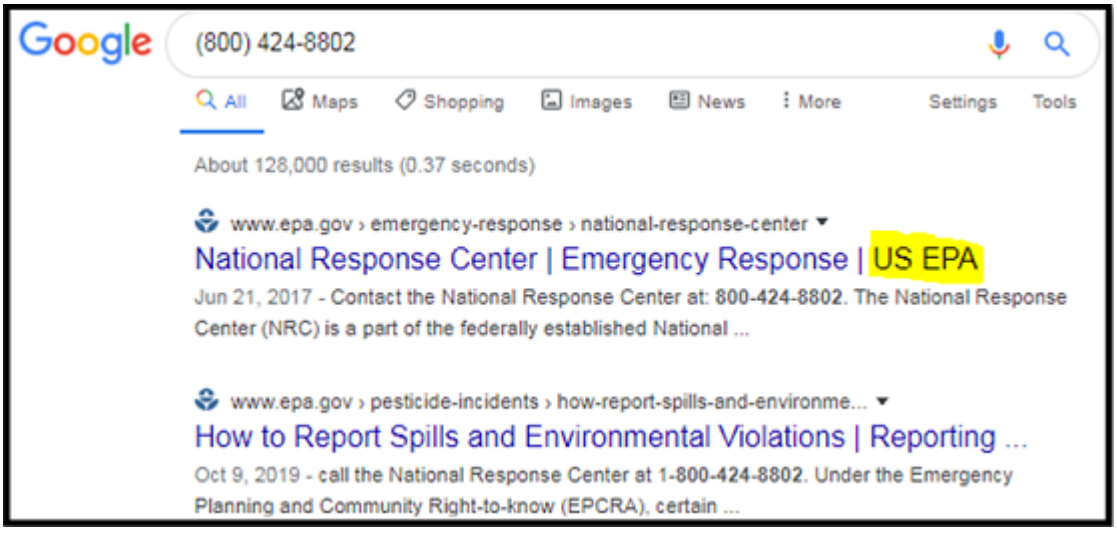
Consensus Result: United States Environmental Protection Agency (EPA) National Response Center and all formatting styles which represent the same information.

Expected Response Explanation:

VisitedPage.Url: https://www.epa.gov/emergency-response/national-response-center /Applications/com.google.chrome.ios/Library/Application Support/Google/Chrome/Default/History: 2 0x1E076 0x3F.

Expected Response Illustration:

Google Search Engine



Additional Comments

TABLE 2

WebCode	Additional Comments
3YKPN2	Question 6 : the phone number has 2 formats in the evidence. We choose the 15714409768 format. Question 18 : Our knowledge of the English language does not allow us to determine exactly what information is expected. So we decide to provide the IMSI number. question 30 : the location format is not specified.
4G6TT9	There are several questions that need clarification or additional guidance to ensure the participant is able to provide the correct answer. Question 2) What is the model of this phone? Are you referring to the Product Type (iPhone8,1) which is used to derive the phone model (iPhone 6s), or are you referring to the device_values.plist entry of "MN1E2". The question may easily be misinterpreted by the participant. Question 4) What is the set time zone for this phone? Provide both the state and country. Format suggestions should be provided. Are you looking for America/New_York (as indicated in the hexadecimal data), "America, New York" (ignoring hex punctuation), or "New York, America" (matching the question's formatting of state then country). Question 7) What is the language setting for this phone? Are you looking for "en_US" as indicated on the phone, or "English"? Question 16) What is the address associated with the native (i.e. apple) email client? "Email" address, or is there a physical address you are looking for? Question 20) What is the significance of 01647042? Are you looking for the message content, the application that it is associated with, the context in the story? The question is very vague. Question 29) How many other parties did the user communicate with using WhatsApp? What "other parties"? Other than those presented within the previous question, other than the native user? Also, in general, guidance should be given on whether to answer number answers as a number (2) or as a word (two). Question 30) What is the location for the last photo received via WhatsApp? Provide the latitude and longitude. Are you referring to the lat/long that is recorded in the EXIF data or the lat/long that is recorded in the GPS data? They are different formats. Also, depending on which source you use (the picture within the WhatsApp application data or the picture from within the phone's pictures (DCIM) folder structure, the coordinates are slightly different. Question 31) How much does the user weigh? If you rely on a forensic tool, the programs round the weight down to 114.75 kilograms, but if you look at the database and hex, you get 114.758776 kilograms, which rounds up to 114.76 kilograms. At the same time, a person in the US would use pounds (lbs), and doing the conversion I am sure the user entered 253 lbs, which actually translates to 114.759 (or 114.76) kilograms. I think this may be a source of inconsistency in the answers. Question 34) What is the address listed as Home in the Waze application? I would suggest you add a formatting guide to this question, as the database structure places things (street, state, etc.) out of normal order, making it look like 44050 is the zip code rather than the beginning of the address. Question 38) What did the user last search on eBay? The user searched for "oil+water+separator" and then added on a modifier of "dumpsters". So, which answer is correct, only "dumpsters" or both? Question 40) To what organization does the phone number reported in Question #39 belong? Not sure if you are referring to the EPA, USEPA, or the National Response Center.
6BJMBY	The question of having to answer the date and time was a difficult one because the exact UTCK had to be set.
6MMJRA	Input validation continues to be an issue. Avoid questions that require multiple answers. Or indicate how multiple answers should be formatted and/or entered on the Data Sheet. Such as Question 32. Asking for both Username and Password. Avoid questions that can be answered in multiple formats. Or indicate how the answer should be formatted and/or entered on the

TABLE 2

WebCode	Additional Comments
	Data Sheet. Such as Question 30. Asking for Latitude and Longitude. This question could be answered in Decimal values or in Degrees, Minutes, and Seconds. Avoid questions that require short answers. Such as Question 20. Asking for the "significance" of an Account number. Instead rely on Questions with Discreet Numerical or Single entry answers. Such as 7, Yes, or HELLMANS. If this is not possible, then reduce or eliminate the number of Questions on the Data Sheet. This is a proficiency test examination and does not have to be "all inclusive" of all Analyzed Data categories that could be present on an iPhone mobile device.
7VATPG	Questions 13 through 16 are extremely poorly worded for a test question.
FGGLKD	Questions 13 and 14 - there are two additional mail applications installed, Gmail and Mobile mail. Mobilemail is browser based, so details given for Gmail. UFED PA v.7.26.0.206 used.
GC2LMD	Felt this test was more relevant to case work performed by this unit.
HCGC3B	The PT file received was a .tar file, a form of zip file. First software tool I used was UFED Physical Analyser, wherby the import of the file was a recognised by the software and parsed without any issues. XRY I then used XRY to parse the tool, using the itunes backup profile. The import yielded around 862 files, with an error message being populated. There was no parsed data on the importing of a .tar file. As a result of this I unpacked the .tar file on a windows machine and imported the folder to XRY. Same issue observed. On scratching my brain I transferred the .tar to a USB, using a mac computer I have unpacked the .tar, zipped the folder and transferred back to my windows machine. Same issue was observed. On having these issues I contacted [Name] MSAB technical support, information I received was that MSAB tools do not currently support .tar files and I was recommended to unpack the .tar and import the folder. I completed the steps given by MSAB and still no resolution. AXIOM Pretty similar to that of XRY .tar unpacked, files residing in a folder did not import into AXIOM and present data as any tangible data. Blacklight Similar to that above. Contacted [Name] at Blackbag explained the situation and could not come to a resolution. On using a single tool, I have manually reviewed the source data, be it .plist or .db or .sqlite to see the source is decoded correctly
JQZ26C	Examination notes are available upon request.
KDQN9J	Question 29 asking about "other" parties was confusing. Not sure if other referred to other than the devices user or excluding the aforementioned user with the bitcoin transaction.
UYA3RV	I disagree with hashing the entire download as the initial test question. With all other tests I have taken that are done entirely through digital download, the hash of the download file is given as a way for the examiner to verify that nothing happened during the download. By asking this as a test question, you are not allowing any test takers to verify that nothing got corrupted during the download or transferring stages. And if something did go wrong, then there could be a snowball effect with the rest of the exam. I don't disagree with asking us to hash a file, however. I just think it should be a file from within the test extraction and not the extraction itself.
XNWCEU	Submission date closes: Dec. 16, 2019, 11:59 p.m. I used UFED PA v7.240.209, XRY v8.1.2 and AXIOM v3.6.0.15906. I envisage some practitioners experiencing difficulties opening and converting the /tar file to be used in other forensic tools. This should be a consideration for you as a PT developer. The files should be in the most suitable format for ingestion into most tools, otherwise it can become tool dependent. This flies in the face of some Labs who adhere to ISO-17025 if the relevant tool(s) is not in their accredited list. Similarly, not all tools parse the same data to the same extent and as such the answers can and probably will vary. This also applies to version control and use of those validated tools within a Lab. As such, I think your

TABLE 2

WebCode	Additional Comments
	test should have a caveat about tools, version control and ISO-17025 in order to generate a more uniformed answer set. I anticipate that you will have a variety of answers depending on tool)s) used and version. This should not then generate a 'Consensus' answer, as the answers should already be known by yourselves, as you created the data similar to creating Lab reference data on validation test devices. This caused me an issue on last yeas test r when the [Location-specific Accreditation Body] attended our 4 Labs and reviewed our PT. You marked an answer with the term 'Consensus' on a question about time duration. Your answer became confusing clearly because most examiners used UFED that rounded the milliseconds down, whereas XRY and AXIOM put them to the nearest second. I reviewed the .db and documented why I rounded mine to the nearest second. You marked mine as incorrect, when your question did not stipulate which second to use. As such, technically who was correct? This caused issues in our 4 accredited Labs when we were re-assessed. So the wording of your questions should stipulate what you require, ie to round up / down etc. This is just one example.

-End of Report-
(Appendix may follow)