## **COPYING DATA FROM CELLEBRITE HTML FILES**

Some law enforcement agencies deploy their Cellebrite UFED in the field for targeted operations such as probation searches and search warrants. Using the cigarette lighter adapter and a USB thumb drive, law enforcement officers are able to quickly extract the data from a cellular phone. Unfortunately, the resulting files created by the UFED in this situation are created in a HTML format. If you have ever tried extracting data from an HTML you know it is a time consuming and frustrating process involving a lot of cutting and pasting. PMPenlink solves the problem for you.

The PMPenlink.xlsm file was created by Criminal Intelligence Analyst TSgt. Matt Adams with the Iowa Department of Public Safety. He has generously made the file available to the law enforcement community.

PMPenlink is a Microsoft Excel spreadsheet designed to take the data fields from a UFED generated HTML file and separate the information into separate worksheets so it can be loaded into intelligence analysis software such as PenLink, i2 Analyst Notebook, and THREADS.

To use the spreadsheet open the UFED generated file in Google Chrome. This is an important step-you must use Chrome. The spreadsheet will not work correctly if you open the HTML file in any other browser. If you do not have Chrome you can download it for free from Google (provided your agency's IT department has given you Administrator rights to the computer.)

ତ chrome	BROWSER	DEVICES	WEB STORE
Get a fast, free We Google Chrome runs websites and applicat	eb brows ions with lightning spe	SET ed.	
For Windows 8/7/Vista/	/XP		
← → C			

If Chrome is not your default browser, **right click** on the file and select **Open with**. Navigate to and select Google Chrome.



Once the UFED generated HTML report is open highlight all of the data using **Ctrl** (Control) and the **A** button and copy it by pressing **Ctrl** and **C**.

← → C	/Deskton/CDI%20MKII/Recovered%20Cellabrite%20HTMI%20Eiles/Rer
	/ Desktop/CP17020Pikti/ Recovered 7020Cellebilte 7020111PiL70201 lies/ Rep 🖓
Phone Examination R	leport Properties
Selected Manufacturer:	Samsung CDMA
Selected Model:	SCH-R720 Admire
Detected Manufacturer:	samsung
Detected Model:	SCH-R720
Revision:	2.3.4 GINGERBREAD EH02
MEID:	
MDN:	
IMSI:	
Extraction start date/time:	04/24/12 09:18:34
Extraction end date/time:	04/24/12 09:19:54
Phone Date/Time:	04/24/12 10:04:30 (GMT-7)
Connection Type:	USB Cable
UFED Version:	Software: 1.1.9.4 UFED , Full Image: 1.0.2.9 , Tiny Image: 1.0.2.1
UEED S/N	

## **Phone Examination Report Index**

Contacts	Selected			
SMS - Text Messages	Selected			
Calendar/Notes/Tasks	Not Selected			
Call Logs	Selected			

Open the PMPenlink file.



Make sure you are on the first page of the workbook. The tab is at the bottom of the screen and is labelled **New**.



Place your cursor in the A1 cell of the New worksheet and press Ctrl and the V button.

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FILE HOME I	NSERT PAGE LAYO	DUT FORMULA	S DATA	REVIEW	VIEW ADD-	INS	
Paste	Comic Sans M! • B I U •	11 · A A	= = <mark>=</mark>	≫ - E	Wrap Text	General	▼ 00. 0.⇒ 0.€ 00.
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Α	В	С			D		
1							
2							
3							
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7							
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9							

Before the data is parsed into separate worksheets you will be prompted to enter data about the case. There is only one screen that is mandatory and it is the suspect's name or the number of the phone the report was generated from. You may choose to skip some of the fields but these screens are helpful for formatting data to be uploaded into a database.

Microsoft Excel	×
Enter the Case Number	ОК
	Cancel
2013-99999	

Microsoft Excel	×
Enter Owner of Phone	ОК
	Cancel
Unknown	

Microsoft Excel	×
Enter Where Phone was Found	ОК
	Cancel
Stash House	

Microsoft Excel	×
Enter Agency	ОК
	Cancel
River City PD	

Microsoft Excel	×
Enter Officer	ОК
	Cancel
Smith	

Microsoft Excel	×
Enter Type of Drug	ОК
	Cancel
Methamphetamine	

This is the only mandatory field. You must put something. Hitting Ok, or Cancel, or the X will not work. If you don't know or don't want to put your suspect's name in the file simple put in the phone number from the device or Unknown.

×
ОК
Cancel

Once you've entered the data in the fields you will note there are new worksheets added to the bottom of the workbook. If you entered a suspect's name you will see the name in the tabs. For this example I put Unknown.

	New	Contacts	Texts	Phone Tolls	Unknown	Unknown Texts	Unknown Phone Tolls
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Each field of recovered data from the UFED will have its own tab and the information from the HTML report will populate the fields. For example, the Contacts from the report will be displayed in the first tab with the suspect's name. Multiple data fields are supported so if there are several phone numbers for a particular contact each number will be in its own column labelled Phone, Phone2, Phone3, etc.

1	Name	Phone
2	Angel	
3	MALO	
4	Profession Sectors (	
5	Street of the Section of the	
6	Вby	510 EDG 8049
7	Big Rich	200 No. 1998
8	Control April 10	
9	Chris	100 A 100 A
10	Trade Second In	COLUMN TWO INCOMES
11	and the second second	
12	The second se	Call Strength
13	Terrendet Departm	
14	Control in spinster	COLUMN AND ADDRESS
15	Section Reality	200 C
16	Jullian	Call and the
17	Keith	100 B 100 C 100
18	the second se	
19	Contract Contract	
20		000 000 EM
21	Mikey	0.000
22	Carrier Const.	
23	Crime Robert	
24	Contraction of the Association	
25	Phone CA My Boo Boo	0.00 000 0000
26	Phone CA Nbd	COLUMN ADDRESS

Similarly, SMS text messages will display the other number, any associated name from the contact list, the date and time, the status of the message, which folder the message was contained in, the direction of the message, and the message content.

1	Number	Name	Date	Time	Status	Folder	Туре	Text
2	100 Carbon (1997)	N/A	20/04/12	21:54:11	Sent	Sent	Outgoing	Who the this
3	100 BAR 100	Keith	21/04/12	8:37:18	Read	Inbox	Incoming	You up yet?
4	And the second	N/A	21/04/12	16:59:49	Read	Inbox	Incoming	You have been selected to receive a FREE \$50 To
5	And a second second	Longiture (Section	21/04/12	18:42:17	Read	Inbox	Incoming	Got 6 dollars and packs of reds homie can u do any
6	And a second second	A DESCRIPTION OF A DESC	21/04/12	18:51:04	Sent	Sent	Outgoing	Im out bro
7	A 10 10 10 10 10	A CONTRACTOR OF	21/04/12	18:52:12	Read	Inbox	Incoming	That sucks gonna hit later sucka
8	And the second	Appendix density	21/04/12	18:52:28	Sent	Sent	Outgoing	I hope so
9	And the second second	Longitur (Section	21/04/12	18:55:37	Read	Inbox	Incoming	Get at me if u remember gonna get more cash
10		Longong Street, Street	21/04/12	18:55:58	Sent	Sent	Outgoing	Fasho
11		Antonia Magdani	21/04/12	21:58:49	Sent	Sent	Outgoing	U around?
12	And a strength of the	Canada Magdan	22/04/12	0:03:09	Read	Inbox	Incoming	I will tighten that in a bit. Thatas how i do James
13	And a state of the	Party Replace	22/04/12	0:03:39	Sent	Sent	Outgoing	Fasho

Call logs are also separated by direction, the other number, associated name from the contract list, date and time, and duration.

	A	B	С	D	E	F
1	Туре	Number	Name	Date	Time	Duration
2	Incoming	100 C 100 C 100 C	States States	16/04/12	16:34:14	0:00:23
3	Incoming	NUMBER OF STREET, STRE	ALC: NOT THE OWNER OF THE OWNER O	16/04/12	17:17:33	N/A
4	Incoming	No. 11 Contractor	The last shares	16/04/12	17:32:21	N/A
5	Incoming	and the second	Weber Steller	16/04/12	17:32:57	0:00:29
6	Incoming	10 C 10 C 10 C	States States	16/04/12	17:33:46	0:00:54
7	Incoming	100 AUG 100 B	1.18 <sup>1</sup>	16/04/12	17:37:26	0:00:16
8	Incoming	100 BB 200 B	and the	16/04/12	17:50:27	0:00:39
9	Incoming	- 10 C - 10 C	and the second se	16/04/12	17:52:34	0:00:09
10	Incoming	10 - Data - D	Appropriate Station	16/04/12	17:57:37	0:00:14
11	Incoming	NO. 171.000	Strategy State	16/04/12	18:21:43	0:00:30
12	Incoming	Contraction of the second	1994 - Contract - Cont	16/04/12	18:38:32	0:00:54
13	Incoming	Contraction Contract	Displayer Text.	16/04/12	18:42:12	0:01:49
14	Incoming	10.000	ALC: NOT THE OWNER OF THE OWNER O	16/04/12	19:14:23	0:00:13
15	Incoming	NUMBER OF STREET, STRE	the state of the state of the	16/04/12	19:15:53	0:00:15
16	Incoming	100 A 10 A 100 A	Contraction State	16/04/12	19:26:30	0:00:20
17	Incoming	and the second	Weber Steller	16/04/12	19:27:36	0:01:03
18	Incoming	100-00-000	Sector property	16/04/12	19:35:15	0:00:57
19	Incoming		depet supports	16/04/12	19:37:41	0:00:35
20	Incoming	State State States	Section 2010	16/04/12	19:41:37	0:01:28
21	Incoming		Deplete Text	16/04/12	19:58:58	0:00:26
22	Incoming		Chapter of The second	16/04/12	20:00:53	0:00:18
23	Incoming	100.000	Page 100 and	16/04/12	20:34:58	0:00:40
24	Incoming	Contraction of the local distance of the loc	and specific	16/04/12	20:51:08	N/A
25	Incoming	10 0 0 0 0 T	Reasonal Reason	16/04/12	20:51:57	0:00:20

As noted in the opening, this spreadsheet was developed by Criminal Intelligence Analyst TSgt. Matt Adams with the Iowa Department of Public Safety. He can be reached at <u>mtadams@dps.state.ia.us</u>.