



Evidence Solutions, Inc.

New Jersey Association for Justice

Super-Cyber Investigations – Digital Evidence Section

Present:

Cell Phone Forensics:

TAP-INTO-THE-LINE: Retrieval of Cell Phone Data / Cell Phone Forensics

April 29, 2015

Presented by:

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New Jersey Association for Justice

Boardwalk Seminars
Atlantic City NJ

TAP-INTO-THE-LINE: Retrieval of Cell Phone Data

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TAP-INTO-THE-LINE: Retrieval of Cell Phone Data

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- Cell Phones & Tablets
 - Text messages
 - Photos?
 - GeoTagging
 - Calendars
 - Phone Books
 - Call Logs
 - Complete information about where the phone has been....

TAP-INTO-THE-LINE: Retrieval of Cell Phone Data

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- Cell Phones & Tablets
 - Browsing History
 - Documents
 - Email accounts
 - Online data storage accounts

TAP-INTO-THE-LINE: Retrieval of Cell Phone Data

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J.J. Keller & Associates, Inc. Since 2002

“... statistics from the DOT:

- A driver who stares at his or her cell phone for just two seconds at 65 mph has traveled almost 200 feet without seeing the road. That's half the typical stopping distance, gone!
- Sending or receiving a text takes a driver's eyes from the road for an average of 4.6 seconds (or more than 500 feet of travel distance at 65 mph).
- In 2009, nearly 5,500 people were killed in crashes involving driver distraction, and an estimated 448,000 were injured.
- 16% of fatal crashes and 20% of injury crashes in 2009 involved reports of distracted driving.

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J.J. Keller & Associates, Inc. Since 2002

“... statistics from the DOT:

- Drivers who use hand-held devices are 4 times more likely to get into crashes serious enough to injure themselves.
- Text messaging creates a crash risk 23 times worse than driving while not distracted.
- Headset cell-phone use is not substantially safer than hand-held use.
- Using a cell phone while driving, whether it's hand-held or hands-free, delays a driver's reactions as much as having a blood alcohol concentration at the legal limit of .08 percent.”

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(a) Prohibition. No driver shall engage in texting while driving.

(b) Motor carriers. No motor carrier shall allow or require its drivers to engage in texting while driving.

FMCSR § 392.80

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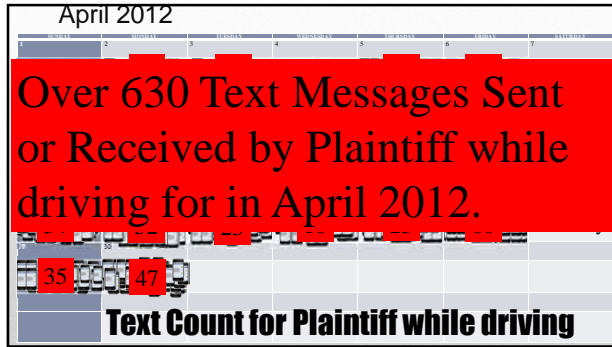


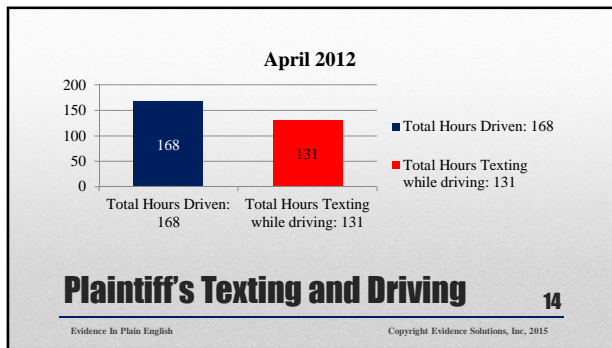
Item	Conn. Date	Conn. Time	Orig. Number	Term. Number	IMEI	Description	Content	Tower Location
1	9/23/2013	11:48	Redacted	Redacted	Redacted	Incoming SMS	Whit up, lookn 4 sum peace tabs or at lest sum oj, u got any?	33.30522, -111.72406
2	9/23/2013	11:49	Redacted	Redacted	Redacted	Outgoing SMS	I'll check, how much do u need?	33.30522, -111.72406
3	9/23/2013	11:50	Redacted	Redacted	Redacted	Incoming SMS	Enough 4 the weekend, couple grams?	33.30522, -111.72406
4	9/23/2013	11:53	Redacted	Redacted	Redacted	Outgoing SMS	Meet at Pacos in 30?	33.30522, -111.72406
5	9/23/2013	11:54	Redacted	Redacted	Redacted	Incoming SMS	Tight	33.30522, -111.72406

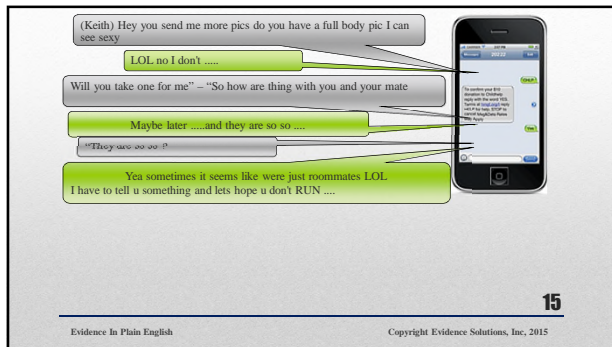
Evidence In Plain English Copyright Evidence Solutions, Inc, 2015

04/02/12 01:54	Driving							
04/02/12 02:17	SMS - Sent		Sydney					4429788174
04/02/12 02:21	SMS - Inbox		Sydney					4429788174
04/02/12 02:21	SMS - Sent		Sydney					4429788174
04/02/12 02:21	SMS - Inbox		Sydney					4429788174
04/02/12 02:21	SMS - Sent		Sydney					4429788174
04/02/12 02:22	SMS - Inbox		Sydney					4429788174
04/02/12 02:23	SMS - Sent		Sydney					4429788174
04/02/12 02:23	SMS - Sent		Sydney					4429788174
04/02/12 02:23	SMS - Inbox		Sydney					4429788174
04/02/12 02:23	SMS - Inbox		Sydney					4429788174
04/02/12 02:24	SMS - Inbox		Sydney					4429788174

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1329977.002
06/12/2013
SCAMP

MOBILITY USAGE

Run Date: 06/12/2013
Run Time: 17:41:35
Voice Usage For: (480)
Account Number: 81342

Item	Conn. Date	Conn. Time	Seizure Time	Originating Number	Terminating Number	Elapsed Time	Number Dialed	IMEI	IMEI	Description
1	01/01/11	05:36A	0:22	██████████	██████████	0:06	██████████	35349104165148	310410366057466	M2M_DTR
2	01/01/11	05:37A	0:02	██████████	██████████	0:06	██████████	310410366057466	310410366057466	M2M
3	01/01/11	05:37A	0:27	██████████	██████████	0:06	██████████	310410366057466	310410366057466	M2M
4	01/01/11	09:09A	0:10	██████████	██████████	4:42	██████████	35349104165148	310410366057466	M2M_DTR
5	01/01/11	09:31A	0:08	██████████	██████████	3:22	██████████	35349104165148	310410366057466	M2M_DTR
6	01/01/11	09:35A	0:05	██████████	██████████	1:05	██████████	35349104165148	310410366057466	M2M_DTR
7	01/01/11	09:38A	0:05	██████████	██████████	0:47	██████████	35349104165148	310410366057466	M2M_DTR
8	01/01/11	09:40A	0:23	██████████	██████████	0:06	██████████	35349104165148	310410366057466	M2M_DTR
9	01/01/11	09:42A	0:08	██████████	██████████	0:31	██████████	35349104165148	310410366057466	M2M_DTR
10	01/01/11	09:45A	0:01	██████████	██████████	0:00	██████████	35349104165148	310410366057466	M2M_DTR

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Item	Conn. Date	Conn. Time	Seizure Time	Originating Number	Terminating Number	Elapsed Time	Number Dialed
1	01/01/11	05:36A	0:22	██████████	██████████	0:06	██████████
2	01/01/11	05:37A	0:02	██████████	██████████	0:06	██████████
3	01/01/11	05:37A	0:27	██████████	██████████	0:06	██████████
4	01/01/11	09:09A	0:10	██████████	██████████	4:42	██████████
5	01/01/11	09:31A	0:08	██████████	██████████	3:22	██████████
6	01/01/11	09:35A	0:05	██████████	██████████	1:05	██████████
7	01/01/11	09:38A	0:05	██████████	██████████	0:47	██████████
8	01/01/11	09:40A	0:23	██████████	██████████	0:06	██████████
9	01/01/11	09:42A	0:08	██████████	██████████	0:31	██████████
10	01/01/11	09:45A	0:01	██████████	██████████	0:00	██████████

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Run Date: 06/12/2013
Run Time: 17:41:35
Voice Usage For: (480)
Account Number: 81342

Item	Conn. Date	Conn. Time	Originating Number	Elapsed Time	Bytes Up	Bytes In	IMEI	IMEI	Access Pt	Description
6374	05/26/11	10:00A	██████████	13:13	6677	111991	3534910416514804	310410366057466	code.voicemail	_MOBILE_DATA_
6375	05/26/11	10:14A	██████████	5:08	0	0	3534910416514804	310410366057466	code.voicemail	_MOBILE_DATA_
6376	05/26/11	10:31A	██████████	13:14	9271	49317	3534910416514804	310410366057466	BLACKBERRY.NE	_MOBILE_DATA_
6377	05/26/11	10:31A	██████████	2:13	2639	8417	3534910416514804	310410366057466	MAP_CINGULAR	_MOBILE_DATA_
6378	05/26/11	10:44A	██████████	0:24	553	375	3534910416514804	310410366057466	BLACKBERRY.NE	_MOBILE_DATA_

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1329977.002
06/12/2013
SCAMP

Run Date: 06/12/2013
Run Time: 17:42:47
Data Usage For: (480) [REDACTED]
Account Number: 81342 [REDACTED]

Item	Conn. Date	Conn. Time	Originating Number	Elapsed Time	Bytes Up	Bytes Dn
6374	05/26/11	10:00A	[REDACTED]	13:13	6677	111991
6375	05/26/11	10:14A	[REDACTED]	5:08	0	0
6376	05/26/11	10:31A	[REDACTED]	13:14	9271	49317
6377	05/26/11	10:31A	[REDACTED]	2:13	2639	8417
6378	05/26/11	10:44A	[REDACTED]	0:24	553	571

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1329977.002
06/12/2013
SCAMP

MOBILITY USAGE

Run Date: 06/12/2013
Run Time: 17:44:11
SMB Usage For: (480) [REDACTED]
Account Number: 81342 [REDACTED]

Item	Conn. Date	Conn. Time	Originating Number	Terminating Number	IMEI	IMEI	Description
913	01/14/11	09:37P	[REDACTED]	[REDACTED]	35349104165148	310410366057466	OUT
914	01/14/11	09:37P	[REDACTED]	[REDACTED]	35349104165148	310410366057466	OUT
915	01/14/11	09:41P	[REDACTED]	[REDACTED]	35349104165148	310410366057466	IN
916	01/15/11	08:16A	[REDACTED]	[REDACTED]	35349104165148	310410366057466	OUT
917	01/15/11	08:16A	[REDACTED]	[REDACTED]	35349104165148	310410366057466	IN
918	01/15/11	08:32A	[REDACTED]	[REDACTED]	35349104165148	310410366057466	OUT
919	01/15/11	08:32A	[REDACTED]	[REDACTED]	35349104165148	310410366057466	IN

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iPhone Data After iOS 8

- iCloud Backup
- Local Computer Backups
- Other

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There are a number of applications that can be installed on cell phones to prevent texting and driving.

- DriveOFF – Free
- DriveMode – Free
- TextBuster - \$179
- DriveScribe - Free

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