



Evidence Solutions, Inc.

&

Attorneys Information Exchange Group

Present:

Cell Phone Forensics
Securing Dash Cam Videos

2016 Trucking Seminar
August 5, 2016

Presented by:

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Digital Evidence: Cell Phone Forensics

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

• Digital Evidence: Cell Phone Forensics

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


• Digital Evidence: Cell Phone Forensics

3

- Cell Carrier Data
 - Device in use
 - Device Changes
 - Total Call Time
 - Beware Time Zones

• Digital Evidence: Cell Phone Forensics

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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	Wht 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 weeknd, 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

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Evidence In Plain English Copyright Evidence Solutions, Inc, 2016

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

Evidence In Plain English Copyright Evidence Solutions, Inc, 2016

Driver Miles Today:	374.7	Driver Name:	
Co-Driver Miles Today:	0.0	Co-Driver Name:	
Vehicle Miles Today:	374.7		
Carrier:		Fleet:	

Off-Duty		11:31
Sleeper Berth		00:00
Driving		07:33
On-Duty		04:56

<u>Remarks</u>	<u>Time Status Description</u>	<u>Inspect</u>
PRE-TRIP @ 1:07a 00:05	12:00a OFF (500) [REDACTED]	
VEHICLE: 303	01:07a DUTY (500) [REDACTED]	
ROUTE: 0301120109	01:12a State: TX	
POST-TRIP @ 1:31p 00:05	01:12a Driver Join(500) [REDACTED]	
	01:12a DUTY (500) [REDACTED]	
	01:14a DRIVE (500) Odessa Yard [REDACTED]	
	02:00a DUTY (TX-2083) [REDACTED]	
	02:33a DRIVE (TX-2083) [REDACTED]	
	03:14a DUTY (295) C/P [REDACTED]	
	03:38a DRIVE (295) C/P GOLDSMITH US [REDACTED]	

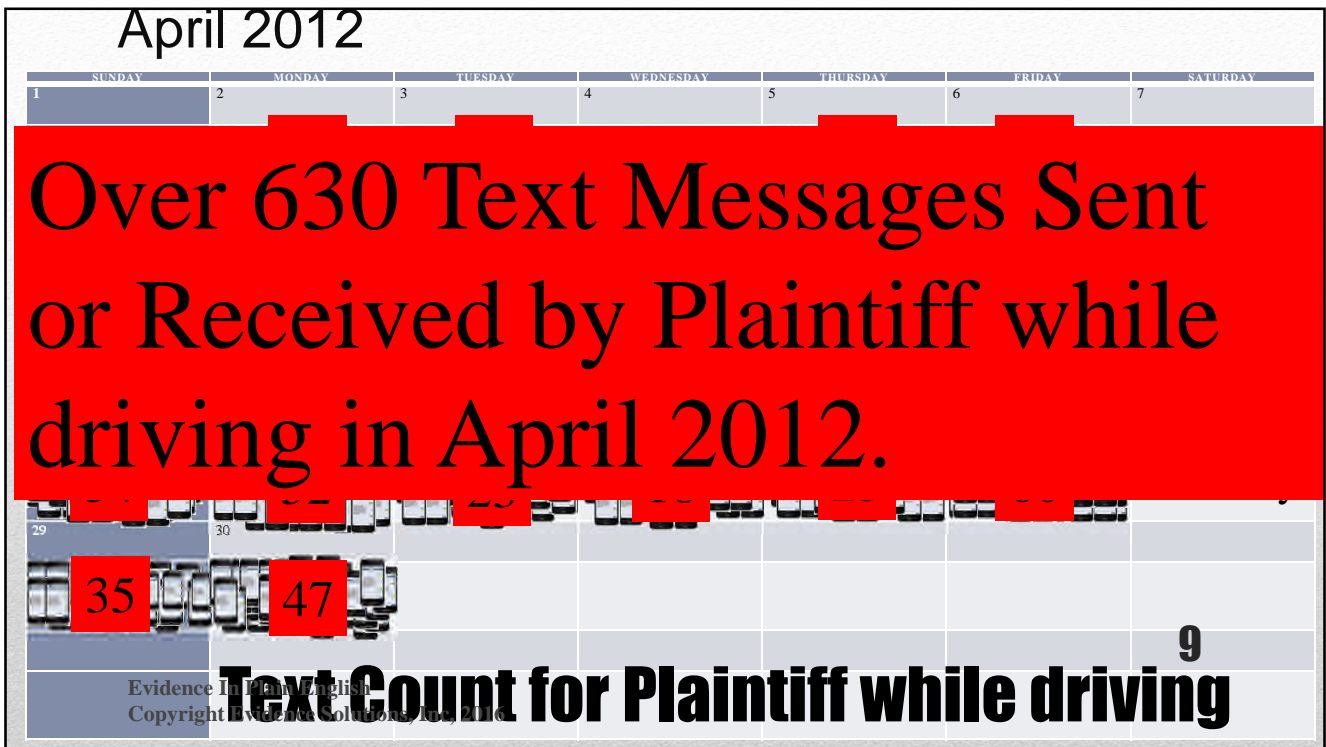
Evidence In Plain English

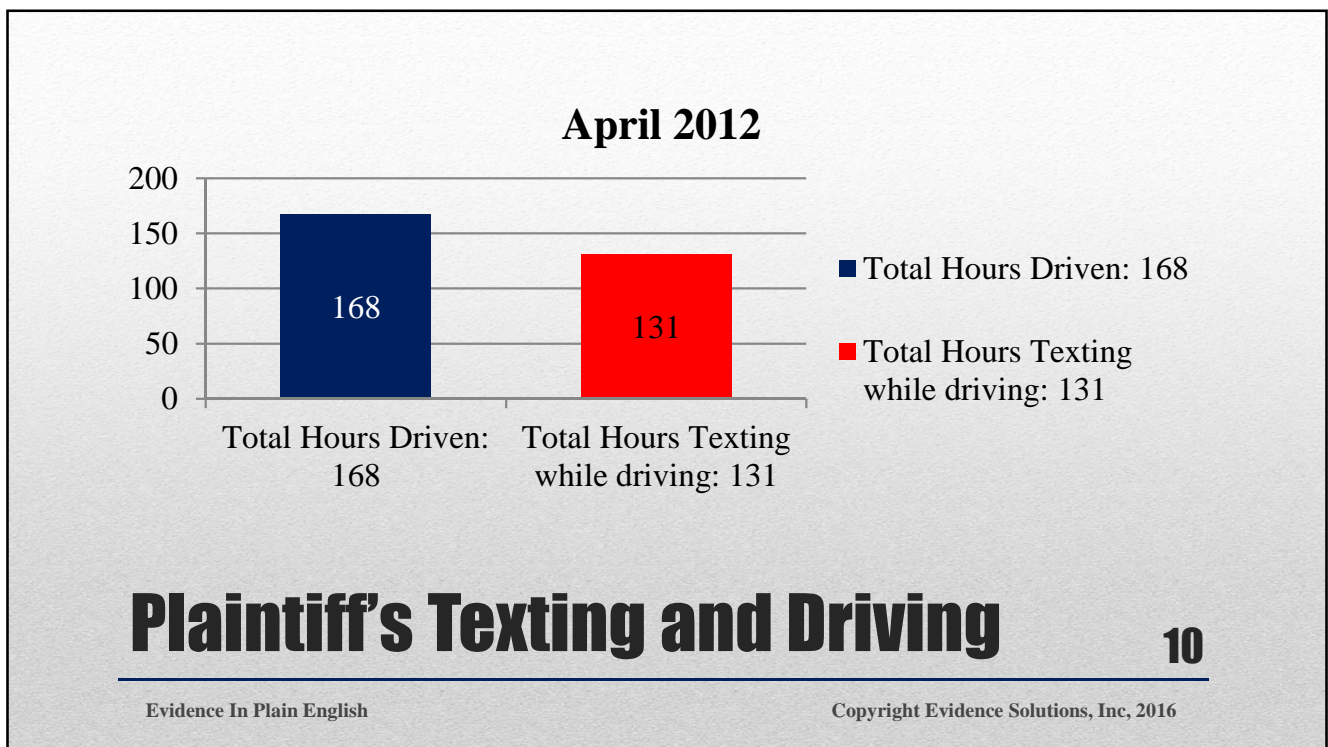
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Time	Status	Description	
12:00A	OFF	(500)	
01:07A	DUTY	(500)	
01:12A		State: TX	
01:12A		Driver	
01:12A	DUTY	(500)	
01:14A	DRIVE	(500)	
02:00A	DUTY	(TX-2083)	
02:33A	DRIVE	(TX-2083)	
03:14A	DUTY	(295) C/P	
03:38A	DRIVE	(295) C/P	
04:16A	DUTY	(TX-2083)	
04:50A	DRIVE	(TX-2083)	
05:32A	DUTY	(295) C/P	
05:57A	DRIVE	(295) C/P	
06:42A	DUTY	(TX-2083)	
07:16A	DRIVE	(TX-2083)	
07:59A	DUTY	(295) C/P	
08:23A	DRIVE	2.7 mi S of	
09:05A	DUTY	(TX-4198)	
09:35A	DRIVE	(TX-4198)	
10:18A	DUTY	(295) C/P	
10:42A	DRIVE	(295) C/P	
11:25A	DUTY	(TX-4196)	
11:52A	DRIVE	12.8 mi Nw	
12:35P	DUTY	(295) C/P	
01:01P	DRIVE	(295) C/P	
01:28P	DUTY	(500)	
01:31P	DUTY	(500)	
01:31P	DUTY	(500)	
01:36P	OFF	(500)	

03/01/12 0709	SMS - Inbox
03/01/12 0710	SMS - Inbox
03/01/12 0716	Driving
03/01/12 0735	SMS - Sent
03/01/12 0737	SMS - Inbox
03/01/12 0738	SMS - Sent
03/01/12 0739	SMS - Inbox
03/01/12 0759	In Service
03/01/12 0823	Driving
03/01/12 0842	SMS - Sent
03/01/12 0905	In Service
03/01/12 0935	Driving
03/01/12 0955	SMS - Inbox
03/01/12 1018	In Service
03/01/12 1042	Driving
03/01/12 1125	In Service
03/01/12 1152	Driving
03/01/12 1230	SMS - Inbox
03/01/12 1235	In Service
03/01/12 1240	SMS - Inbox

Evidence In Plain English
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(Keith) Hey you send me more pics do you have a full body pic I can see sexy

LOL no I don't

Will you take one for me” – “So how are thing with you and your mate

Maybe laterand they are so so

“They are so so ?

Yea sometimes it seems like were just roommates LOL
I have to tell u something and lets hope u don't RUN

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Evidence In Plain English

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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) [REDACTED]
Account Number: 81342 [REDACTED]

Item	Conn. Date	Conn. Time	Seizure Time	Originating Number	Terminating Number	Elapsed Time	Number Dialed	IMEI	IMSI	Descriptio
1	01/01/11	05:36A	0:22	[REDACTED]	[REDACTED]	0:00	[REDACTED]	35349104165148	310410366057466	m2M_DIR
2	01/01/11	05:37A	0:02	[REDACTED]	[REDACTED]	0:06	[REDACTED]		310410366057466	M2m
3	01/01/11	05:37A	0:27	[REDACTED]	[REDACTED]	0:06	[REDACTED]		310410366057466	m2M
4	01/01/11	09:09A	0:10	[REDACTED]	[REDACTED]	4:42	[REDACTED]	35349104165148	310410366057466	m2M_DIR
5	01/01/11	09:31A	0:08	[REDACTED]	[REDACTED]	3:22	[REDACTED]	35349104165148	310410366057466	m2M_DIR
6	01/01/11	09:35A	0:05	[REDACTED]	[REDACTED]	1:05	[REDACTED]	35349104165148	310410366057466	M2O_DIR
7	01/01/11	09:38A	0:05	[REDACTED]	[REDACTED]	0:47	[REDACTED]	35349104165148	310410366057466	M2O_DIR
8	01/01/11	09:40A	0:23	[REDACTED]	[REDACTED]	0:06	[REDACTED]	35349104165148	310410366057466	M2O_DIR
9	01/01/11	09:42A	0:08	[REDACTED]	[REDACTED]	0:31	[REDACTED]	35349104165148	310410366057466	M2O_DIR
10	01/01/11	09:45A	0:01	[REDACTED]	[REDACTED]	0:00	[REDACTED]	35349104165148	310410366057466	M2O_DIR

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1	01/01/11	05:36A	0:22	[REDACTED]	[REDACTED]	0:00	[REDACTED]
2	01/01/11	05:37A	0:02	[REDACTED]	[REDACTED]	0:06	[REDACTED]
3	01/01/11	05:37A	0:27	[REDACTED]	[REDACTED]	0:06	[REDACTED]
4	01/01/11	09:09A	0:10	[REDACTED]	[REDACTED]	4:42	[REDACTED]
5	01/01/11	09:31A	0:08	[REDACTED]	[REDACTED]	3:22	[REDACTED]
6	01/01/11	09:35A	0:05	[REDACTED]	[REDACTED]	1:05	[REDACTED]
7	01/01/11	09:38A	0:05	[REDACTED]	[REDACTED]	0:47	[REDACTED]
8	01/01/11	09:40A	0:23	[REDACTED]	[REDACTED]	0:06	[REDACTED]
9	01/01/11	09:42A	0:08	[REDACTED]	[REDACTED]	0:31	[REDACTED]
10	01/01/11	09:45A	0:01	[REDACTED]	[REDACTED]	0:00	[REDACTED]

1329977.002
06/12/2013
SCAMP

MOBILITY USAGE

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	IMEI	IMSI	Access Pt	Description
6374	05/26/11	10:00A	[REDACTED]	13:13	6677	111991	3534910416514804	310410366057466	acds.voicemai 1	MOBILE_DATA_
6375	05/26/11	10:14A	[REDACTED]	5:08	0	0	3534910416514804	310410366057466	acds.voicemai 1	MOBILE_DATA_
6376	05/26/11	10:31A	[REDACTED]	13:14	9271	49317	3534910416514804	310410366057466	BLACKBERRY.NE T	MOBILE_DATA_
6377	05/26/11	10:31A	[REDACTED]	2:13	2639	8417	3534910416514804	310410366057466	WAP.CINGULAR	MOBILE_DATA_
6378	05/26/11	10:44A	[REDACTED]	0:24	553	571	3534910416514804	310410366057466	BLACKBERRY.NE	MOBILE_DATA_

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

1329977.002
06/12/2013
SCAMP

MOBILITY USAGE

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

Item	Conn. Date	Conn. Time	Originating Number	Terminating Number	IMEI	IMSI	Description
913	01/14/11	09:37P	[REDACTED]5660	[REDACTED]3109	35349104165148	310410366057466	OUT
914	01/14/11	09:37P	[REDACTED]5660	[REDACTED]3109	35349104165148	310410366057466	OUT
915	01/14/11	09:41P	[REDACTED]3109	[REDACTED]5660	35349104165148	310410366057466	IN
916	01/15/11	08:06A	[REDACTED]5660	[REDACTED]8587	35349104165148	310410366057466	OUT
917	01/15/11	08:16A	[REDACTED]8587	[REDACTED]5660	35349104165148	310410366057466	IN
918	01/15/11	08:32A	[REDACTED]5660	[REDACTED]8587	35349104165148	310410366057466	OUT
919	01/15/11	08:32A	[REDACTED]8587	[REDACTED]5660	35349104165148	310410366057466	IN

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**



- Dash Cam Sources of Data
 - Device itself
 - SD Card(s) inserted into the camera or docking station
 - Cloud Storage <- Cell Phone <- Camera

• Digital Evidence: Dash Cam Forensics

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- Dash Cam Sources of Data
 - Telematic Systems
 - Data uploaded into the cloud
 - Data uploaded into the corporate data center
 - Personal Computers & Devices
 - Used for backups and examination / review

• Digital Evidence: Cell Phone Forensics

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- Dash Cam Sources of Data
 - Other Vehicles!

• Digital Evidence: Cell Phone Forensics

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Contact Information

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