

New Technologies Deployed by the San Francisco Police Department

Susan Merritt
Chief Information Officer

San Francisco Police Department

- Established in 1849
- 2,164 Sworn and 429 Civilians
- Population of San Francisco is 825,863
- 10 District Stations plus Headquarters, Operations Center, Crime Lab, Airport Bureau, small sub-stations

Technology –Recent Past

- Primarily paper based
- 24+ Criminal Justice Systems
- No email
- Silos of information, people, crime reporting, technology
- 98 projects
- Extremely limited resources (people, money, time)

Dilema

- How to make progress with so many issues, so few resources

Answer: if only one thing could change, what would have the most impact?

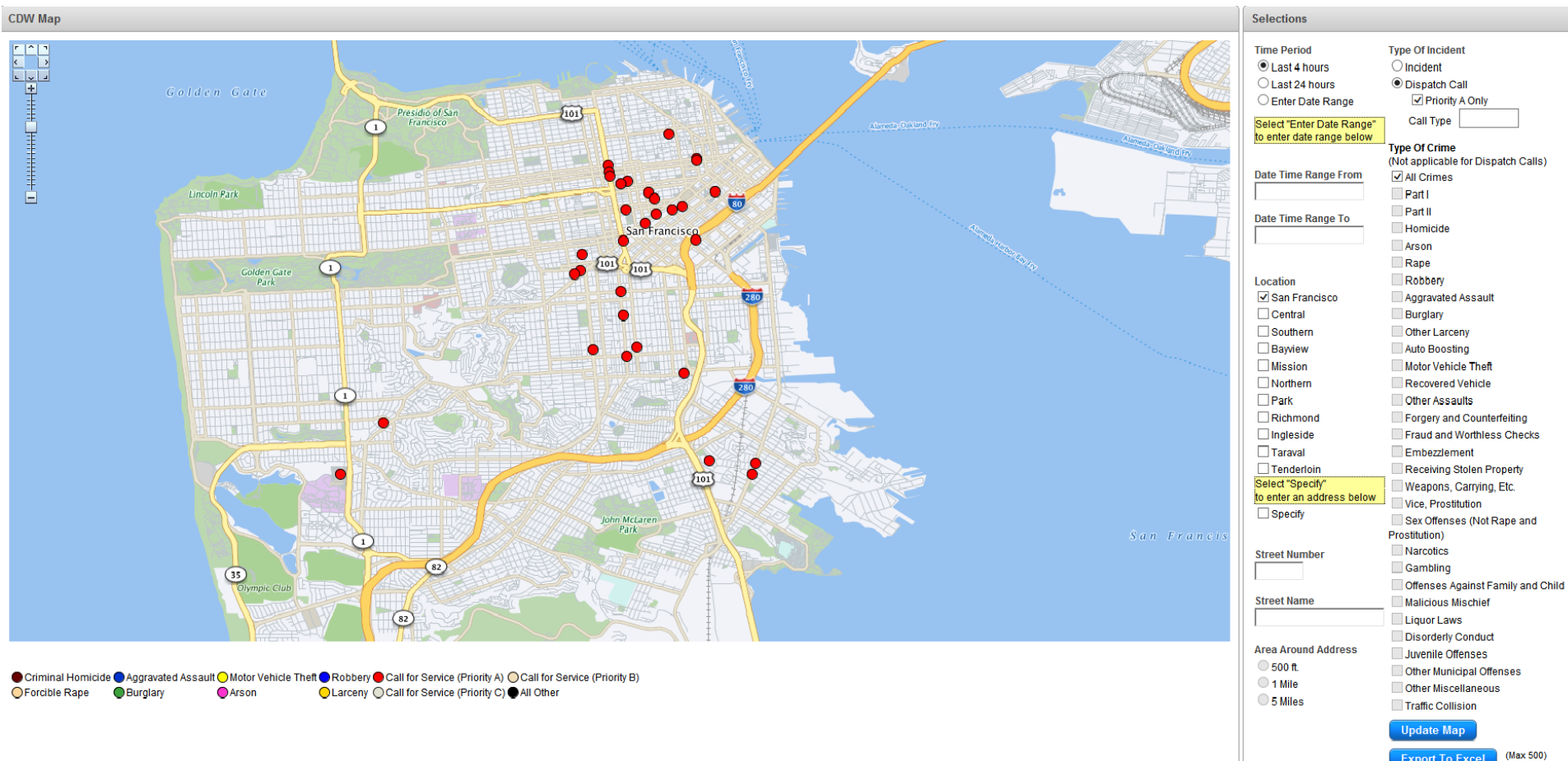
Approach

- Understand the department's goals
- Interview officers
- Understand issues
- Stay connected
- Listen
- Solve the biggest issue we can solve

Present


- Crime Data Warehouse, implemented June, 2012
 - Incidents
 - Search
 - Maps
 - People
- SFPD Mobile
- Fully secure multi-factor authentication, containerized environment
- Instant information sharing

Crime Data Warehouse – 911 calls mapped instantly



Crime Data Warehouse – Create Incident Report

[←](#) [→](#) <http://cdw.sflen.org/apex/f?p=200:12:8752859192727503::NO:RP,1> Incident × PEOPLE DETAILS

 **Crime Data Warehouse**

Map Incidents Search Reports

* Report Type: Initial

All fields marked with an asterisk (*) are required. Fields with a yellow background are display only.

INCIDENT REPORT [< Return](#) [Save](#)

* INCIDENT NUMBER [Connect to CAD](#)

* OCCURRENCE FROM DATE/ TIME OCCURRENCE TO DATE/ TIME * REPORTED DATE/ TIME * CAD NUMBER

* TYPE OF INCIDENT (PRIMARY CODE) - Select - CONFIDENTIAL REPORT? ☐

TYPE OF INCIDENT (SECONDARY CODE 1) - Select - TYPE OF INCIDENT (SECONDARY CODE 2) - Select -

LOCATION OF OCCURRENCE

NUMBER * ADDRESS APT# AT INTERSECTION WITH TYPE OF PREMISES * DISTRICT OF OCCURRENCE

- Select - - Select -

LOCATION SENT/ON VIEW

NUMBER * ADDRESS APT# AT INTERSECTION WITH * REPORTING DISTRICT PLOT

- Select -

ARREST MADE? ☐ SUSPECT KNOWN? ☐ SUSPECT UNKNOWN? ☐ NON-SUSPECT INCIDENT? ☐ DOMESTIC VIOLENCE? ☐ * REPORTING UNIT

* CRIME AND CLEARANCE STATUS - Select - [Help](#) REPORTED TO BUREAU - Select - REPORTED TO NAME STAR DATE / TIME ELDER VICTIM? ☐ GANG RELATE? ☐ JUVENILE SUBJECT? ☐ PREJUDICE BASE? ☐

Previous CLEARANCE STATUS

OFFICER DECLARATION

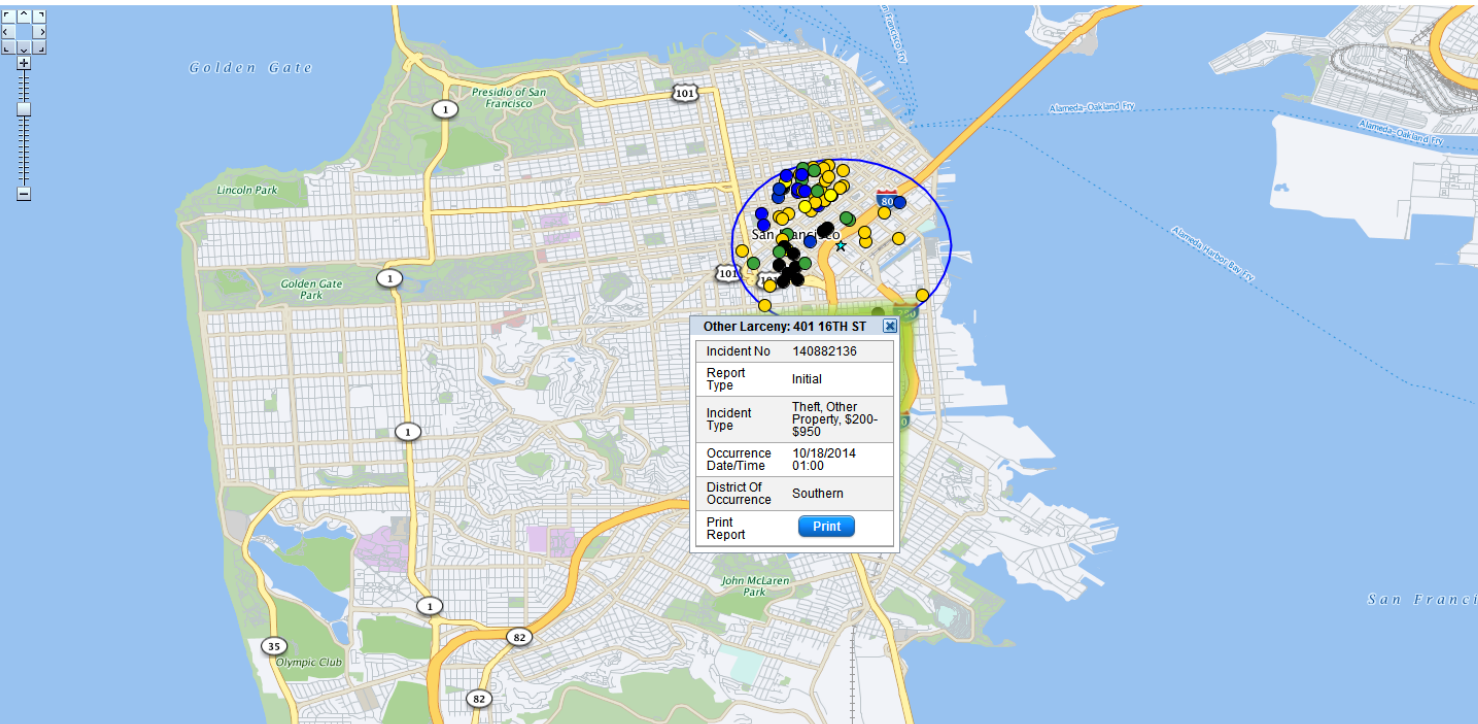
I declare under penalty of perjury, this report of ____ pages is true and correct, based on my personal knowledge, or is based on information and belief following an investigation of the events and parties involved.

* PROP 115 CERTIFIED - Select -

REPORTING OFFICER STAR * STATION * WATCH DATE

Search for crimes by location

CDW Map



● Criminal Homicide ● Aggravated Assault ● Motor Vehicle Theft ● Robbery ● Call for Service (Priority A) ● Call for Service (Priority B)
● Forcible Rape ● Burglary ● Arson ● Larceny ● Call for Service (Priority C) ● All Other

Selections

Time Period

- ☐ Last 4 hours
☐ Last 24 hours
☒ Enter Date Range

Select "Enter Date Range" to enter date range below

Date Time Range From

10/18/2014

Date Time Range To

10/20/2014

Location

- ☐ San Francisco
☐ Central
☐ Southern
☐ Bayview
☐ Mission
☐ Northern
☐ Park
☐ Richmond
☐ Ingleside
☐ Taraval
☐ Tenderloin

Select "Specify" to enter an address below

☒ Specify

Street Number

850

Street Name

BRYANT ST

Area Around Address

- ☐ 500 ft
☒ 1 Mile
☐ 5 Miles

Type Of Incident

- ☒ Incident
☐ Dispatch Call
☒ Priority A Only

Call Type


Type Of Crime (Not applicable for Dispatch Calls)

- ☐ All Crimes
☒ Part I
☐ Part II
☒ Homicide
☒ Arson
☒ Rape
☒ Robbery
☒ Aggravated Assault
☒ Burglary
☒ Other Larceny
☒ Auto Boosting
☒ Motor Vehicle Theft
☒ Recovered Vehicle
☐ Other Assaults
☐ Forgery and Counterfeiting
☐ Fraud and Worthless Checks
☐ Embezzlement
☐ Receiving Stolen Property
☐ Weapons, Carrying, Etc.
☐ Vice, Prostitution
☐ Sex Offenses (Not Rape and Prostitution)
☐ Narcotics
☐ Gambling
☐ Offenses Against Family and Child
☐ Malicious Mischief
☐ Liquor Laws
☐ Disorderly Conduct
☐ Juvenile Offenses
☐ Other Municipal Offenses
☐ Other Miscellaneous
☐ Traffic Collision

[Update Map](#)

People Search


[←](#) [→](#) [http://10.29.45.60:8080/apex/f?p=270:655:1830482489949280::](#) [CDW Maps](#) [PEO](#)

**Crime Data Warehouse**

Map Incidents Search **People** Reports Admin

[Return](#) Person detail information associated with the SFNO

Mugshot - Photo



Name

SFNO

CAUTION: ADW/GBI

NAME	DOB	RACE	SEX	HEIGHT	WEIGHT	HAIR	EYES	SFNO	Criminal History
<input type="text"/>	01/20/75	White	M	5'5"	130	BK	BR	<input type="text"/>	Record

1 - 1

Full Large Image

Incidents

CABLE

NAME	DATE OF INCIDENT	HOME ADDRESS	PHONE	INCIDENT NO.	CAD
<input type="text"/>	09/11/08 00:00	1941 MISSION ST #40	-	080965941A	082553907
LOPEZ/MONOA	05/30/10 00:00	-	-	100512044A	101533148

1 - 2

CDW

NAME	DATE OF INCIDENT	HOME ADDRESS	PHONE	INCIDENT NO.	CAD
<input type="text"/>	11/11/2011 11:11	-	-	100512044	101533148
<input type="text"/>	12/24/2013 12:33	-	-	131079801	133581420

1 - 2

[Click to view map of locations of Crime Data Warehouse incidents](#)

Field Interview

SFNO: **S581314**

NAME	FI DATE	HOME ADDRESS	PHONE	FI NO.
<input type="text"/>	03/15/06 00:00	1070 SO VANNESS 415-368-3987C	-	06000288004
<input type="text"/>	02/02/07 00:00	301 SAN CARLOS #1 368-2548CELL	-	07000455001
<input type="text"/>	11/17/07 00:00	1941 MISSION APT 40	-	08000026001
<input type="text"/> V	03/24/08 00:00	1941 MISSION ST	-	08000503001

1 - 4

Crime Data Warehouse - Reports

San Francisco Crime Statistics

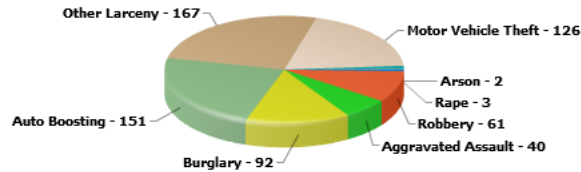
last 7 days (10/14/2014 - 10/21/2014)

All reports approved within the last:

7 Days Based on District of Occurrence ▼

Crime Category

Crime Category



Crime Category - Last 7 Days Based on District of Occurrence

CRIME_CATEGORY	CENTRAL	SOUTHERN	BAYVIEW	MISSION	NORTHERN	PARK	RICHMOND	INGLESIDE	TARAVAL	TENDERLOIN	CITY_WIDE
Rape	0	0	0	1	1	0	0	1	0	0	3
Robbery	8	4	6	9	7	4	4	10	3	6	61
Aggravated Assault	9	4	5	2	9	2	0	4	0	5	40
Burglary	29	15	4	10	12	3	0	11	6	2	92
Auto Boosting	19	33	8	13	31	17	11	7	5	7	151
Other Larceny	33	48	3	16	19	8	6	9	13	12	167
Motor Vehicle Theft	8	12	19	16	17	11	8	28	5	2	126
Recovered Vehicle	1	0	1	1	1	0	0	1	0	1	6
Arson	0	0	0	1	0	0	0	0	0	1	2

SAMSUNG

12:45



SFPD Mobile



Crime
Data
Warehouse



Directory



Mugshot



Intranet



Schools



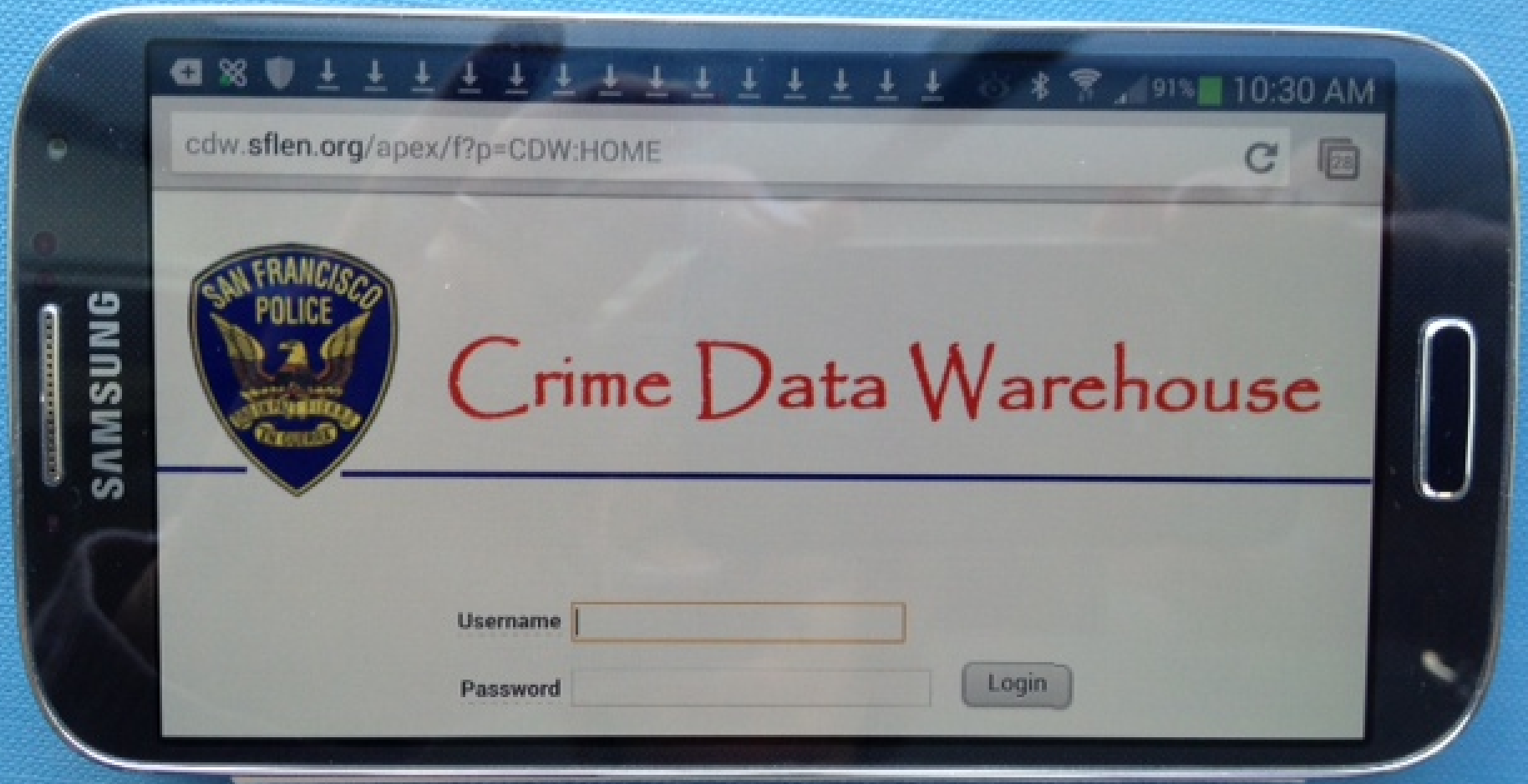
DOJ
Cal-Photo



DOJ
Smart
Justice

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Prohibited.

Smart Phones with Law Enforcement Apps



Enter a Police Report

SAMSUNG

cdw.sflen.org/apex/f?p=200:12:416747

Crime Data Warehouse

Map Incidents Search Reports

Report Type: Initial All fields marked with an asterisk (*) are required. Fields

INCIDENT REPORT

INCIDENT NUMBER * **OCCURRENCE FROM DATE/ TIME** **OCCURRENCE TO DATE/ TIME** **REPORTED DATE/ TIME**

8420 04/26/2013 12:45 04/26/2013 13:35 04/26/2013 13:43

TYPE OF INCIDENT (PRIMARY CODE) **CONFIDENTIAL REPORT?**

Mental Health Detention 8420

TYPE OF INCIDENT (SECONDARY CODE 1) **TYPE OF INCIDENT (SECONDARY CODE 2)**

- Select - - Select -

LOCATION OF OCCURRENCE

NUMBER * **ADDRESS** **APR** **AT INTERSECTION WITH**

850 BRYANT 200

LOCATION SECTION VIEW

NUMBER * **ADDRESS** **APR** **AT INTERSECTION WITH**

850 BRYANT 200

ARREST MADE? ☒ **SUSPECT KNOWN?** ☐ **SUSPECT UNKNOWN?** ☐ **NON-SUSPECT INCIDENT?** ☐ **DOMESTIC VIOLENCE?** ☐ **REPORTING UNIT**

2003

HOW CLEARED? **REPORTED TO BUREAU** **REPORTED TO**

Psychopathic Case - Select -

OFFICER DECLARATION

I declare under penalty of perjury, this report of ____ pages is true and correct, based on my personal knowledge, or is based on information received from a reliable source following an investigation of the events and parties involved.

PREP 115 CERTIFIED

5 Year/Post

REPORTING OFFICER **STAR** **STATION** **WATCH** **DATE**

8420 800-1500 04/26

REVIEWING OFFICER **STAR** **STATION** **WATCH** **DATE**

- Select -

DIC **STAR** **STATION** **WATCH** **DATE**

- Select -

Re-Assign or Copies

ASSIGNED

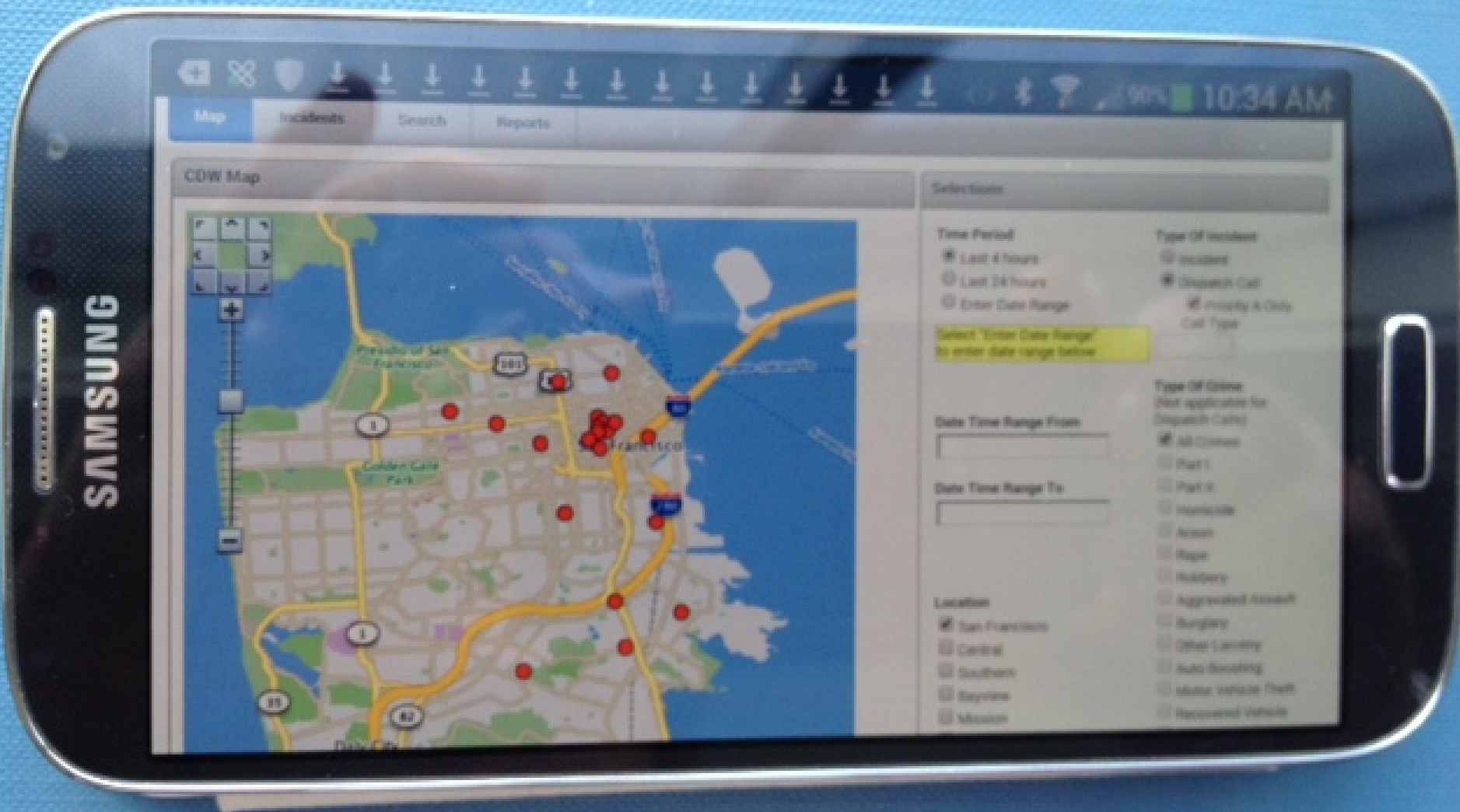
ASSIGNED TO **RE-ASSIGNED TO** **ASSIGNED BY** **RELATED**

8420 - Select - MHC 8420

COPIES TO **ADD'L COM**

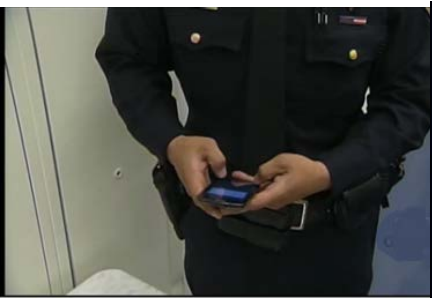
SW2008

See crimes instantly

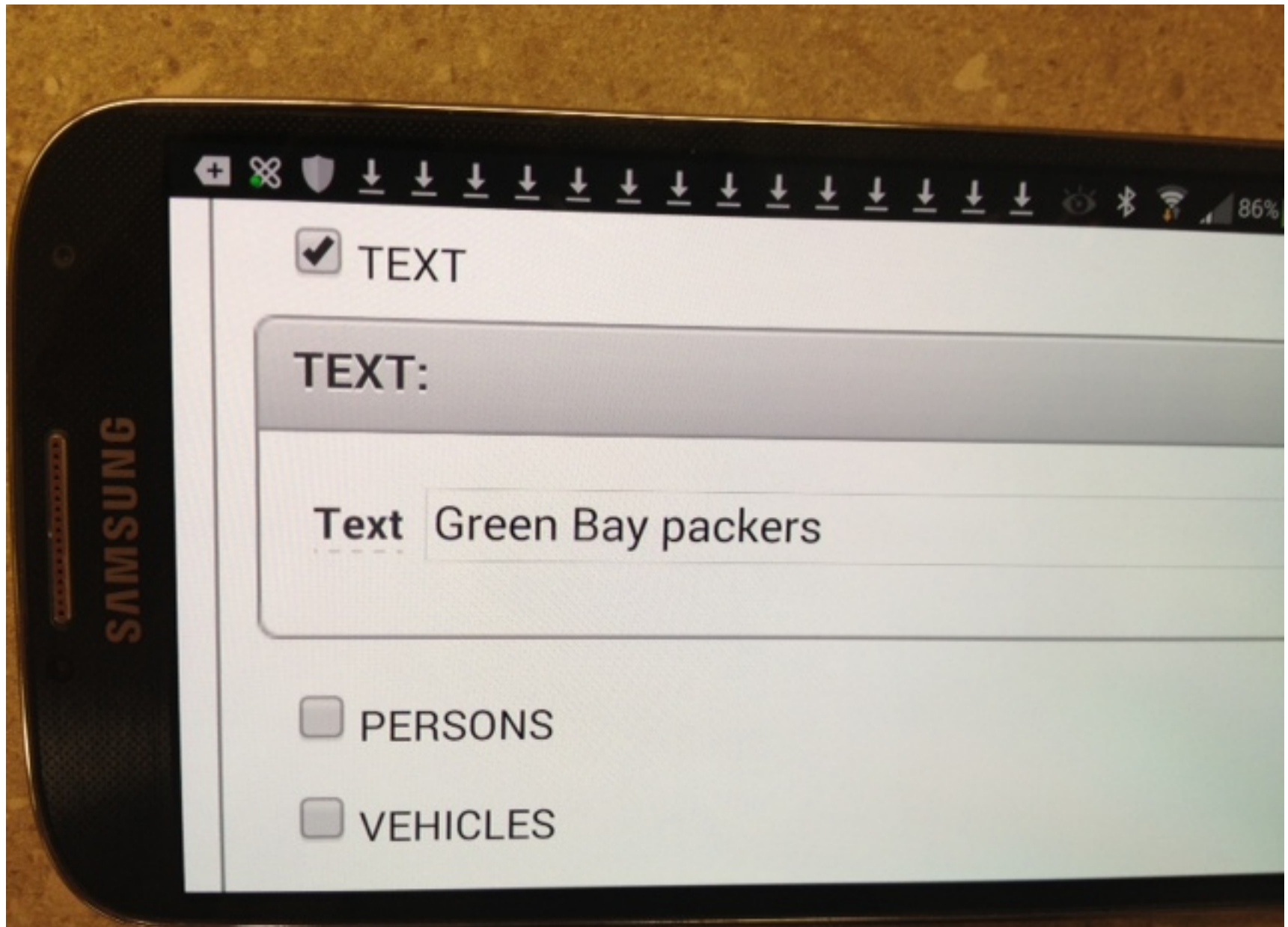


Impact of New Technologies

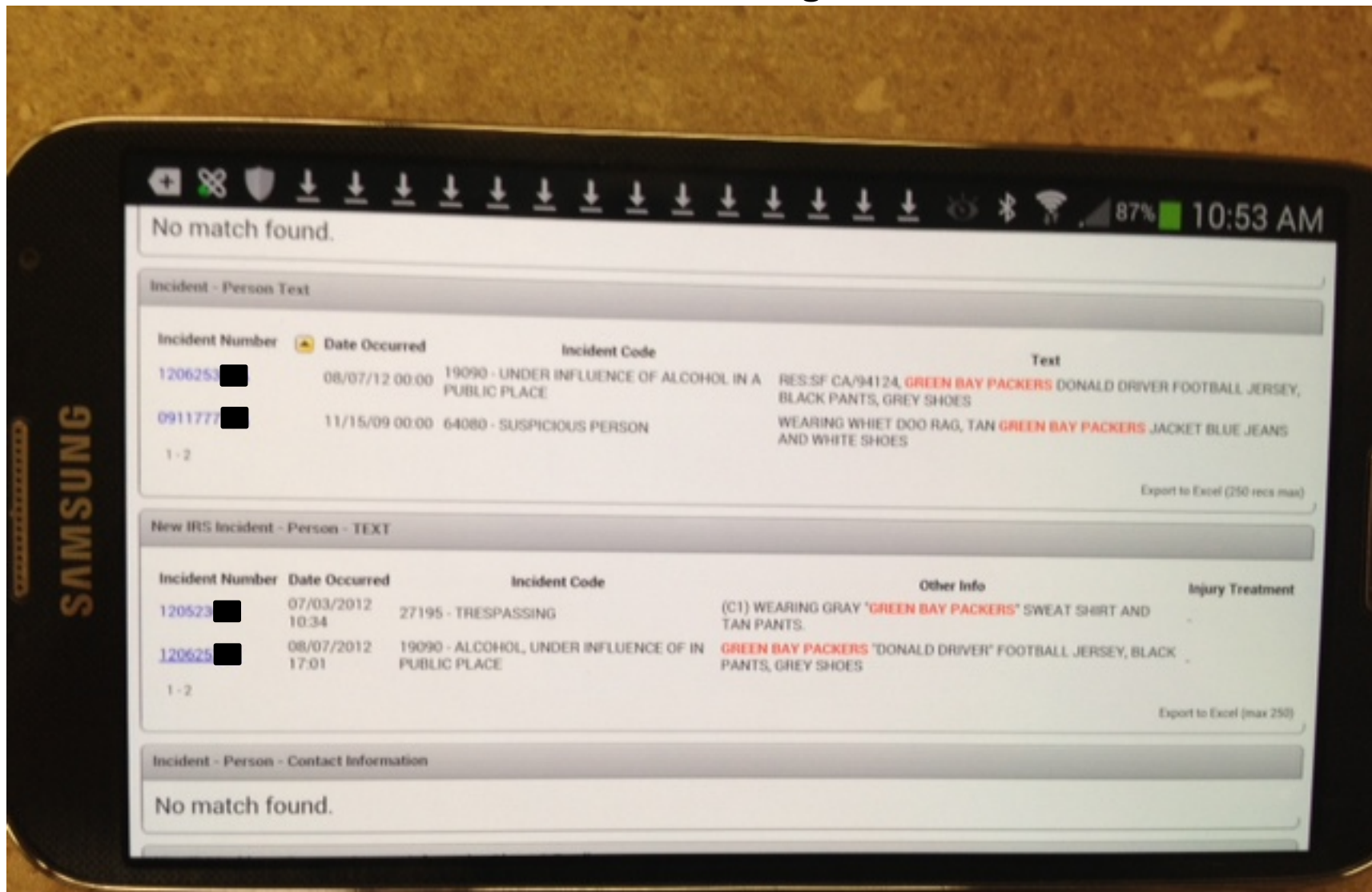
- Mobility
- Communications
- Connecting data
- Search
- Suspect Identification
- Keep officers on the streets



Search for Suspect Wearing Green Bay Packers t-shirt



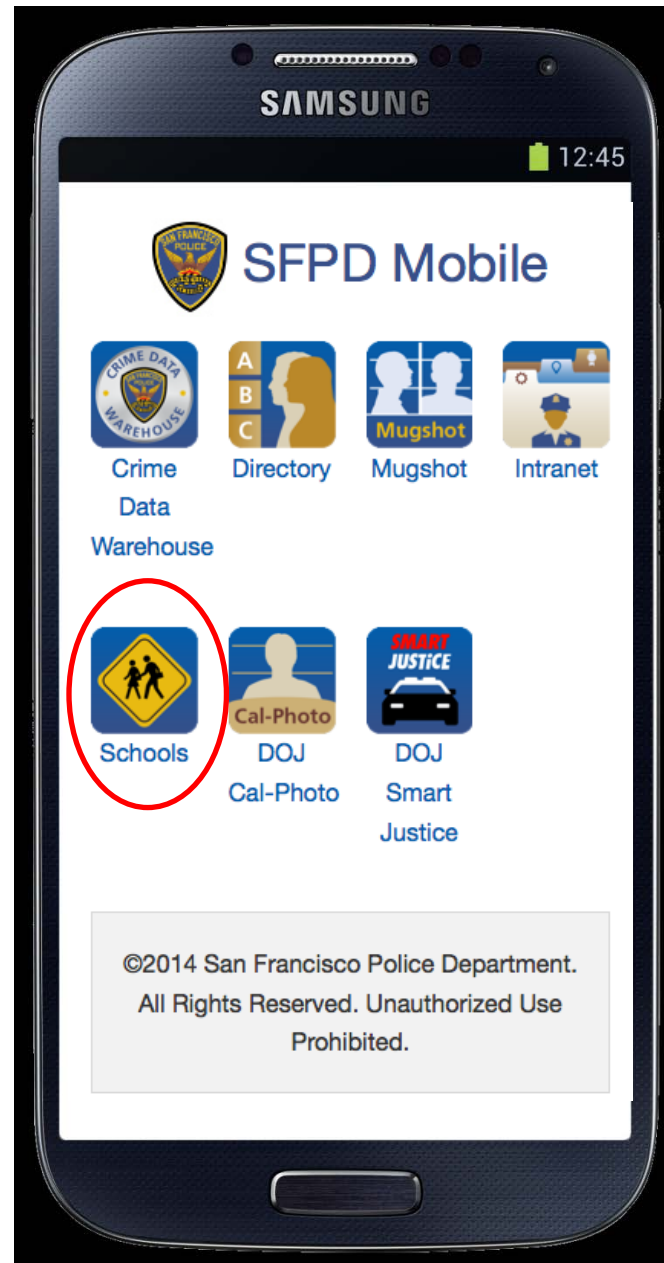
4 incidents found in past five years where suspect wore Green Bay Packers clothing



Information Sharing – finding people



Information Sharing – School Maps



Lessons

- Understand capabilities
- Fundamentals first
- Understand critical needs – listen!
- Prioritize and limit projects
- Collaborate with investigations, patrol

The End