

PUBLIC SAFETY COMMITTEE

November 7, 2013

The Public Safety Committee of the City of Mesa met in the lower level meeting room of the Council Chambers, 57 East 1st Street, November 7, 2013 at 8:40 a.m.

COMMITTEE PRESENT

Dennis Kavanaugh, Chairman
Alex Finter
Christopher Glover

COMMITTEE ABSENT

None

STAFF PRESENT

John Pombier
Alfred Smith

(Items on the agenda were discussed out of order, but for purposes of clarity will remain as listed on the agenda.)

1. Items from citizens present.

There were no items from citizens present.

2a. Hear a presentation and discuss an update of the City's cyber security.

Chief Information Officer Diane Gardner introduced Information Technology (IT) Security Manager Pat O'Keefe, who was prepared to assist with the presentation.

Mr. O'Keefe displayed a PowerPoint presentation (**See Attachment 1**) and reported on the types of cyber attacks that relate to the City. He listed the top four types of attacks received in the month of September, including:

- Exploitation – 28,114,976
- Reconnaissance – 8,095,600
- System – 10,693,176
- Denial of Service – 13,525,153

Mr. O'Keefe stressed that there are hundreds of different types of attacks in addition to the top four mentioned above. He discussed the top six cyber threat alerts geographically (point of origin) within a one week period in September (See Page 3 of Attachment 1) and noted the majority came from within the U.S. (234,098), with significant threats coming from China, Russia, India, France and Germany.

Mr. O'Keefe stated that threats come through e-mail and that 93 percent of e-mail received is not delivered due to spam and virus filters. (See page 4 of Attachment 1)

Ms. Gardner illustrated the types of data breaches including: accidental publications, hackings, and loss of information from personal (social media) and business-related accounts. (See Page 5 of Attachment 1)

Mr. O'Keefe explained how the Information Security Team mitigates security threats, including a security framework combining technology tools, established security measures and best practices, intrusion detection/prevention systems, firewalls, spam filtering, anti-virus and end point protection. He added that City staff collaborates with local and national agencies and private organizations to continuously improve its cyber security posture. He further stated that staff is currently working with the Department of Homeland Security on its Supervisory Control and Data Acquisition (SCADA) network, which will include a full assessment of policies, procedures, best practices, an active external and internal test and an overall architectural review of the SCADA network.

Mr. O'Keefe discussed the IT staff's mantra, "Stop, Think and Connect", (See Pages 7 and 8 of Attachment 1) which focuses on key areas such as keeping workstations clean, maintaining the latest security software, web browser, firewall and operating system both at work and home.

Ms. Gardner emphasized the importance of using different and unique passwords on all types of work, social media and bank accounts in order to protect personal information. (See Page 7 of Attachment 1) She added that passwords should be changed every 45 to 90 days.

Chairman Kavanaugh reported that he attended a seminar earlier in the week that addressed cyber security and storing information in the Cloud. He noted that one of the key issues focused on where servers are located within the Cloud.

In response to a question from Chairman Kavanaugh, Ms. Gardner clarified that the City largely uses the Cloud in terms of Software as a Service, and stated, for example, that the agenda packet software is in the Cloud. She noted that when staff reviews these types of vendors, they consider how well a vendor handles incident management and breaches.

Chairman Kavanaugh thanked Mr. O'Keefe and Ms. Gardner for the presentation.

2b. Hear a presentation and discuss the Axon Body Camera Program.

Police Chief Frank Milstead introduced Lieutenant Lee Rankin, Sergeant Ryan Stokes and Officer Steve York. He noted that Lt. Rankin has been overseeing the Axon On-Body Camera pilot program for the last year, and Officer York has been a test officer of the system.

Chief Milstead displayed a PowerPoint presentation (**See Attachment 2**) and commented that the on-body cameras are being used for the purpose of mitigating liability and litigation, which costs law enforcement \$2.5 billion annually. He cited a study from the University of Cambridge which found that on-body cameras reduced complaints by 87.5%, litigation by 93% and use of force complaints by 59%, and noted that the camera captures the entire event, ambient radio traffic and ambient noise. (See page 3 of Attachment 2)

Chief Milstead stated that during the pilot program period, complaints were reduced by 40% and use of force complaints by 75% for Mesa Police officers wearing the Axon cameras. He cited statistics for reductions in use of force and complaints nationwide for departments that use the Axon cameras. (See Page 4 of Attachment 2) Chief Milstead explained that the Axon camera is a true Point-of-View (POV) system which attaches to the officer's glasses, lapel or a part of the vest. (See Page 6 of Attachment 2) He described the advantages of having an Axon camera as opposed to a dash cam, which are more expensive than body cameras, and do not capture all parts of an event.

A short video presentation was played that highlighted a pursuit between Officer York, who was wearing the Axon On-Body camera, and a fleeing suspect. Chief Milstead pointed out the benefits of having the on-body camera, which can greatly reduce the likelihood of a lawsuit and costly litigation.

Chief Milstead highlighted additional features of the Axon Camera (See Pages 8 through 12 of Attachment 2), including:

- Pre-Event buffer with 12-hour battery (captures what led up to all events)
- Multiple mounting options and flexibility for officers
- Retina low light
- Weather resistant and ruggedized build and durability
- Live Camera View
- Stored Video List
- Live Streaming Video
- Add Metadata easily for retrieval
- Adds title and case I.D. information

Chief Milstead reviewed the key metrics for evidence management, and how the system works from the docking station to how the evidence is stored. (See Page 13 through 15 of Attachment 2)

Lt. Rankin explained that he has been testing the product for the last 18 months, and noted a key part of the system is on the back-end, including how the evidence is stored through Evidence.com. He advised that the system was scrutinized for easy retrieval and review of evidence to aid in civil litigation and enhance prosecution of criminal cases. He commented that the system needed to be intuitive for ease of use by the officers and minimize the time spent in order to get officers back on the street. He highlighted the following: downloading files and videos; logon and retrieval of files; access management of files (inability to edit or alter); how to search and access evidence; how an audit trail is created; and evidence retention rates. (See Pages 16 through 20 of Attachment 2)

Chief Milstead remarked that data can be filed by category and that all data is encrypted for transfer and storage, whether the information comes from a home, a remote station or mobile device. He indicated that Evidence.com spends about \$700,000 annually on data security and has conducted tests to ensure the system is not breached. (See Pages 21 through 23 of Attachment 2) He added that Evidence.com has a very quick turnaround time of 90 days for new development and updates, compared to a one to two year turnaround time with traditional software programs.

Chief Milstead provided information on the financial return per officer within the Mesa Police Department (MPD), and noted that the return rate would be between 83% and 172% annually. (See Pages 26 and 27 of Attachment 2) He explained the advantages of entering into a 5-year contract versus a 3-year contract, (See Page 28 of Attachment 2) including the following:

- Three sets of new hardware with a 5-year contract versus one set for a 3-year contract
- Locked into current promotional pricing
- Unconditional 5-year warranty
- Covered for five years without having to worry about system upgrades

Chief Milstead advised that there will need to be an additional field technology group to support the system and noted that over the last two years the MPD has added electronic ticketing, Coplink mobile application in police vehicles, two finger fast I.D. systems, and the Axon On-Body camera system without adding I.T. support. He said that it would be necessary to expand staff to facilitate this program in the future.

Chief Milstead further stated that the MPD would like to issue the Axon camera to new recruits who will be graduating from the Academy on November 21.

Chief Milstead summarized the benefits to the MPD (See page 32 of Attachment 2) as follows:

- Increased transparency
- Reduced departmental complaints
- Reduced use of force incidents
- Decreased civil liability

In response to a question from Committeemember Finter, Mr. Pombier stated that if Council provides direction to proceed with expansion of this program, he would meet with City Attorney Debbie Spinner and Deputy City Attorney Marc Steadman to review options, confirm that liability can be reduced, and determine how much can be funded out of the Liability Reserve Fund. He added that, in addition, department budgets can be reviewed to determine alternate funding opportunities.

Committeemember Finter expressed support for the Axon On-Body camera system due to the large amount of money being paid out on lawsuits.

Committeemember Glover offered his support for the program and stated that the cameras would be a deterrent to poor behavior. He suggested funding sources be evaluated.

Chairman Kavanaugh stated that the use of the camera will allow jurors to see events in real-time. He added that it will serve to reduce complaints significantly, reduce liability, add transparency, and encourage officers to behave in a professional manner on each and every call. He suggested that staff review the Liability Loss Fund as a funding option.

Mr. Pombier confirmed that staff will review funding options and determine the best method for expanding the program.

Chairman Kavanaugh commended Chief Milstead and his department for taking the time to implement and understand the intricacies of the pilot program.

2c. Hear a presentation and discuss an update of the CenturyLink 9-1-1 outage findings.

Deputy City Manager John Pombier introduced Assistant Chief Information Officer Joe Sugihara, who was prepared to assist with the presentation. Mr. Pombier provided background on an incident that occurred with the 9-1-1 system a few weeks ago.

Mr. Sugihara explained that there was a mechanical failure at the CenturyLink facility that allowed water to leak on critical equipment in the central office, which had the effect of isolating approximately 20,000 customers in a specific portion of the service area. He explained that while people could call each other in this area, they were not able to call someone on the other side of town and were also not able to call 9-1-1 since it is on a separate phone system.

In response to a question from Chairman Kavanaugh, Mr. Sugihara clarified that the problem was at CenturyLink's facility, not in a City office or facility.

Mr. Pombier further reported that City staff from Police, Fire, Information Technology, Communications and Management responded very quickly to coordinate the City's response, disseminate information, address the problem and resolve the issue with CenturyLink. He acknowledged the City's frustration that initially, it did not appear that CenturyLink felt the urgency of the issue. He added, however, that CenturyLink's representative was very professional in responding to the City on the night of the incident and CenturyLink has consistently directed a high level of importance to this issue in subsequent meetings with City staff. He stated that the City has an excellent partner in CenturyLink, who has continually addressed the City's concerns and shown that they not only understand the urgency of this issue, but that they want to work with the City closely in the future.

Mr. Pombier explained that in working with CenturyLink since the incident, City staff has gained valuable insight in how to proceed with future projects. He stated that he and Assistant Fire Chief Cori Hayes toured the facility where the problem started and were shown how a number of things had to go wrong at the same time for the incident to occur, even with several levels of redundancy built in. He indicated that additional redundancies have been built into the system since the incident occurred.

Chairman Kavanaugh expressed his appreciation to CenturyLink for their continued partnership with the City.

2d. Hear a presentation, discuss and provide a recommendation for the CAD system upgrade.

Assistant Fire Chief Cori Hayes introduced Assistant Police Chief Heston Silbert and Information Technology Public Safety Project Manager Scott Parker who were prepared to assist with the presentation. She stated that staff is in the process of upgrading its current Intergraph CAD product. She noted that staff is using version 8.13 and will be recommending an upgrade to version 9.2 and that staff is expecting to have a proposal and an estimated cost to Council in January or February, with additional information on impacts to the end users.

In response to a series of questions from Chairman Kavanaugh, Chief Hayes stated that staff is anticipating implementation of the upgraded program by December 2014 with an estimated cost of \$700,000 to \$800,000, which does not include some of the options that staff is considering. She noted that there would be an estimated 500 end users, which would include Police and Fire vehicles, as well as vehicles for the City's partner agencies, including Gilbert, Queen Creek, Rio Verde, and Apache Junction Fire departments. She added that the program will interface with Phoenix Fire Department which dispatches for all fire agencies across the Valley.

In response to a question from Committeemember Finter, Chief Hayes advised that the partner agencies will be charged a portion of the dispatch cost, and there may be some costs to the partner agencies for the Mobile Computer Terminal (MCT) upgrades, specific to their respective jurisdictions.

Chairman Kavanaugh thanked everyone for the update.

3. Adjournment.

Without objection, the Public Safety Committee meeting adjourned at 9:40 a.m.

I hereby certify that the foregoing minutes are a true and correct copy of the minutes of the Public Safety Committee meeting of the City of Mesa, Arizona, held on the 7th day of November, 2013. I further certify that the meeting was duly called and held and that a quorum was present.

DEE ANN MICKELSEN, CITY CLERK

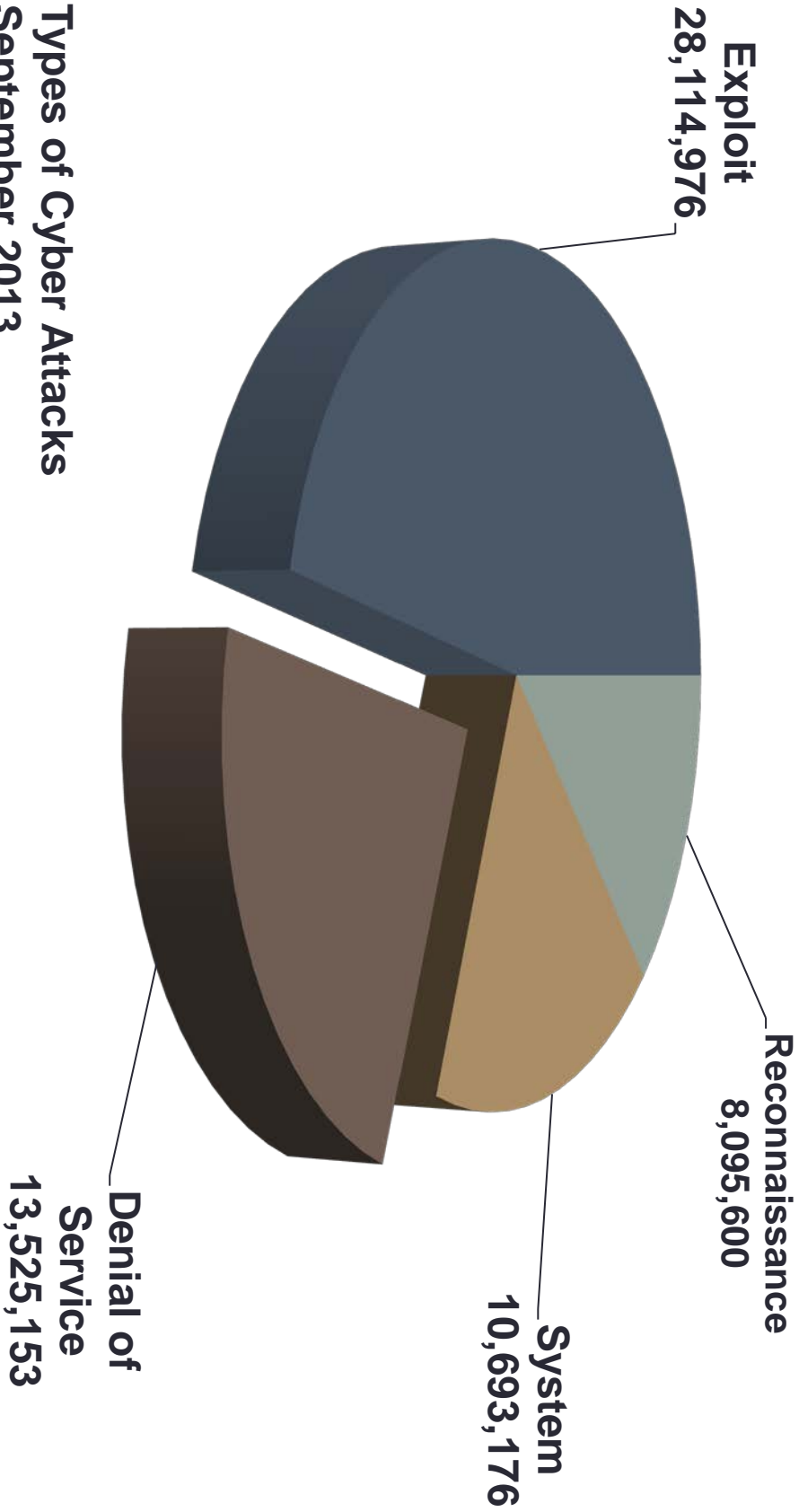
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(Attachments – 2)

CYBER SECURITY UPDATE

Public Safety Council Committee

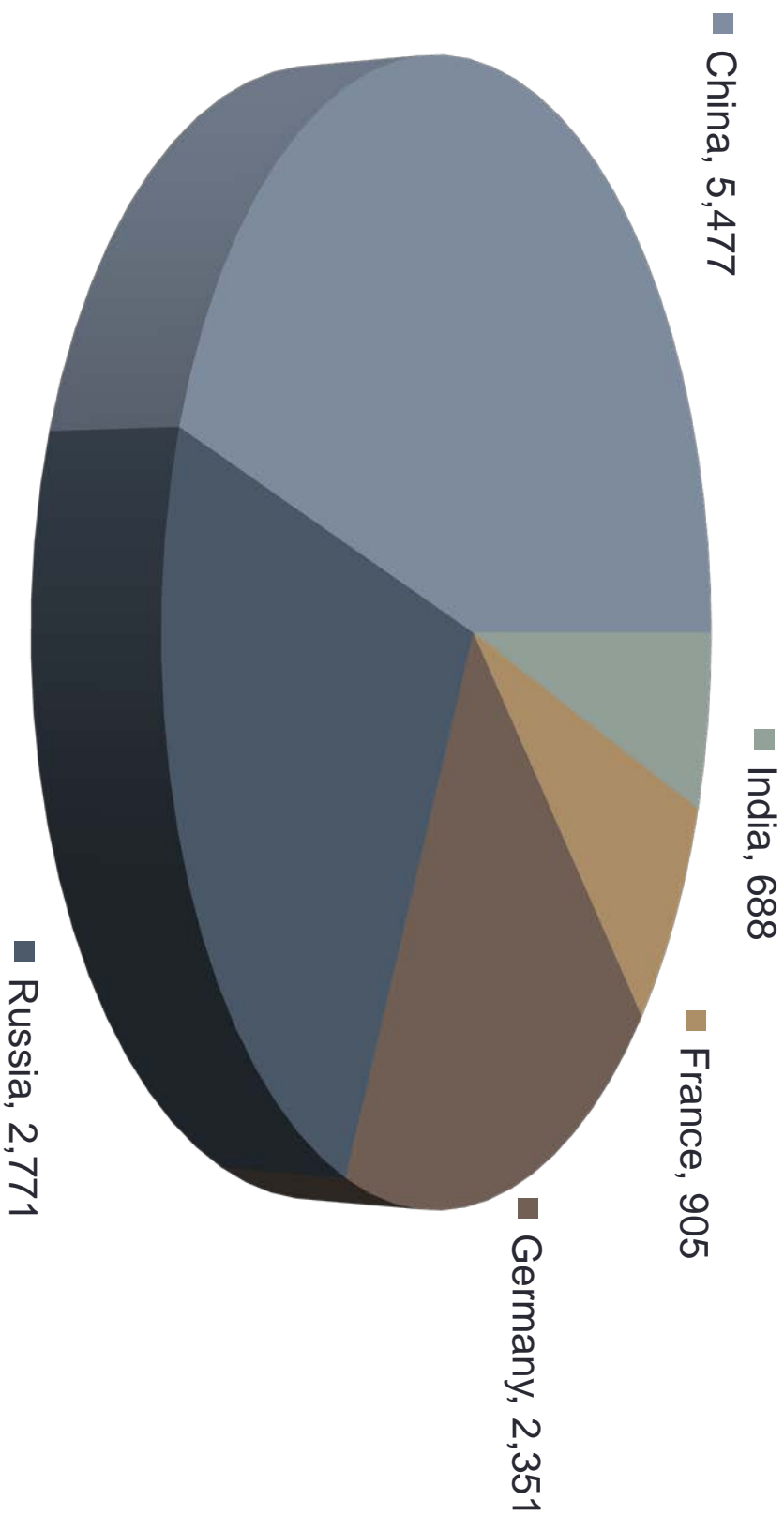
November 2013

Global *and* a Mesa Concern



Types of Cyber Attacks
September 2013

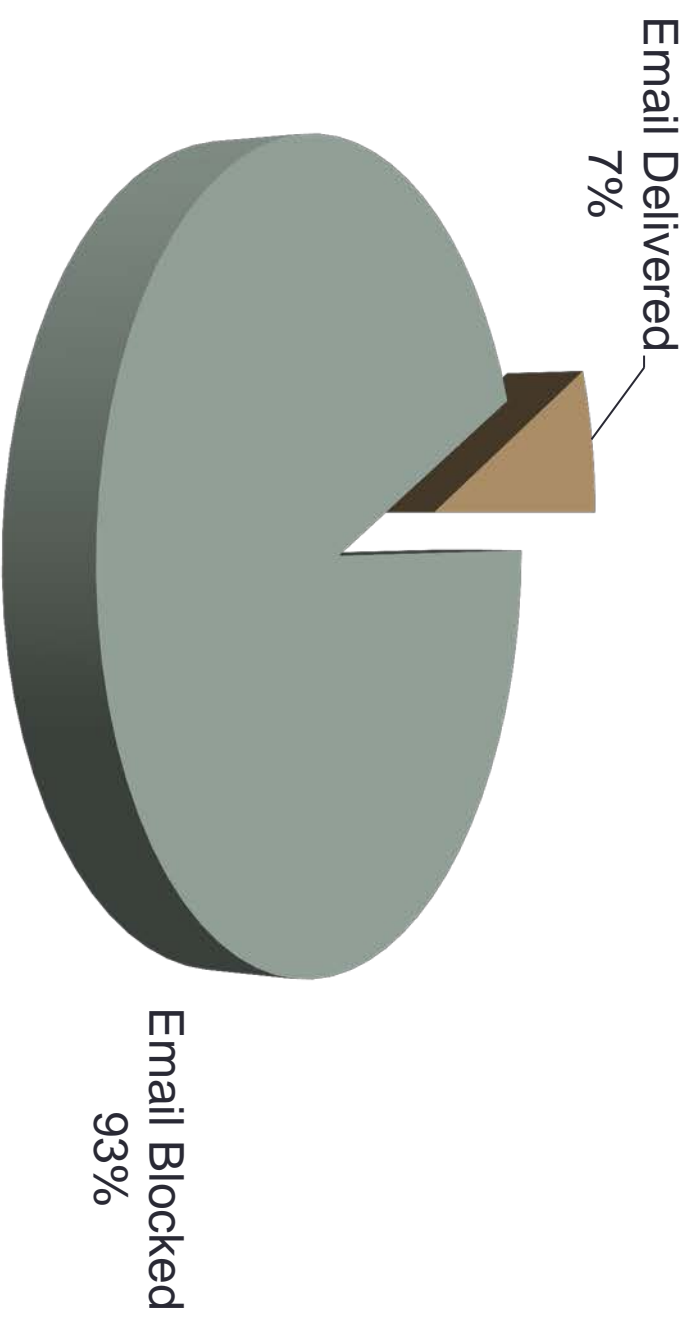
Coming from within the US and



Top Cyber Threat Alerts by Geography
One Week in September 2013

U.S. 234,098

Email – another example



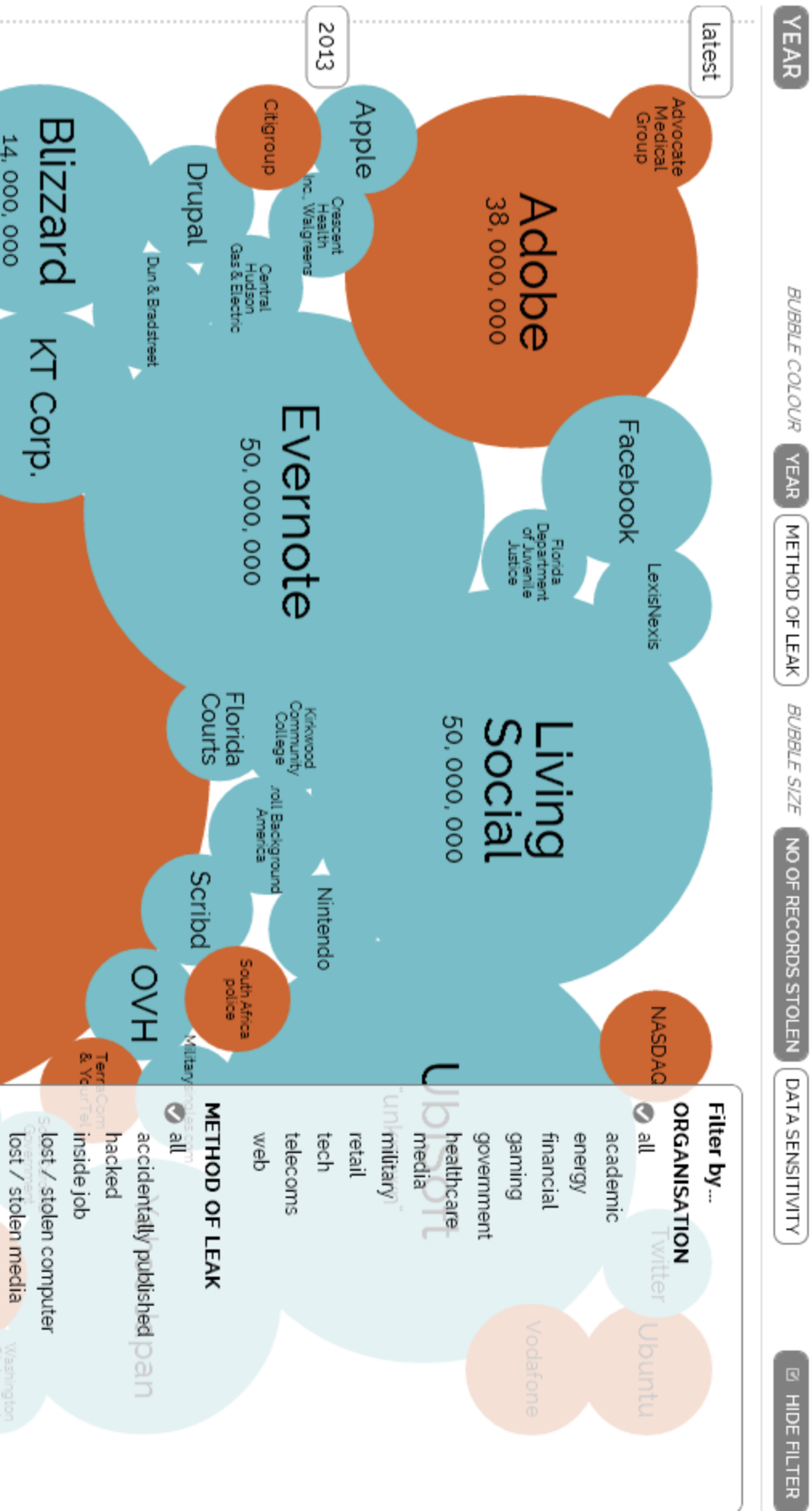
September 2013 – One Week

**93% of email received is *not* delivered
due to spam and virus filters**

World's Biggest Data Breaches

Selected losses greater than 30,000 records

●
interesting story



Mesa's Approach

- For our City, it means 24 x 7 prevention, detection and monitoring for Transit, Utility, City Business, Police and Emergency Communications systems.
- We follow a Security Framework combining technology, tools, best practices and security awareness training
 - Password enforcement, antivirus, spam filtering, firewalls, intrusion detection/prevention and incident management.
- We collaborate with Valley and National agencies to share information (such as MS-ISAC), Department of Homeland Security

Stop Think Connect... Still the Best Defense

Keep a Clean Machine

- Maintaining the latest security software, web browser, firewall and operating system is the best defense.

Protect Your Personal Information.

- Make passwords long and strong.
- Unique account, unique password: It's important that your work, social media and bank accounts **BE DIFFERENT**.
- Change your passwords regularly (every 45 to 90 days).

Stop Think Connect... Still the Best Defense

Connect with Care.

- When in doubt, throw it out.
- Mobile malware is on the rise - don't root or jailbreak your phones.

Links in email, texts, tweets, posts, and online advertising are often the way cybercriminals compromise your computer.

Questions?



Officer Worn Video Project



Reduced Liability for Mesa PD



250 Million
Americans Have Cell Phones

\$2.5 Billion
Annual US LE Exposure

No more he said she said incidents.



INSTITUTE OF CRIMINOLOGY

Studies on Effectiveness

The New York Times

Wearing a Badge, and a Video Camera



HERE'S a fraught encounter: one police officer, one civilian and anger felt by one or both. **ALTERNATE** It may be hard to sort out who also did for The New York Times, April 7, 2013

Now, some police departments are using miniaturized video cameras and their microphones to capture, in full detail, officers' interactions with civilians. The cameras are so small that they can be attached to a collar, a cap or even to the side of an officer's sunglasses. High-capacity battery packs can last for an extended shift. And all of the videos are uploaded automatically to a central server that serves as a kind of digital evidence locker.

William A. Farrar, the police chief in Rahlo, Calif., has been investigating whether officers' use of video cameras can bring measurable benefits to relations between the police and civilians. Officers in Rahlo, which has a population of about 100,000, already carry

picture of what occurred, why not have your own?" he asked. "In this way, you have the real one."

Last year, Mr. Farrar used the new wearable video cameras to conduct a continuing experiment in his department, in collaboration with Barak Ariel, a visiting fellow at the Institute of Criminology at the University of Cambridge, an assistant professor at Hebrew University.

Half of Rahlo's uniformed patrol officers on each week's schedule have been randomly assigned the cameras, also made by Laser International. Whenever officers wear the cameras, they are expected to activate them when they leave the patrol car to speak with a civilian. A convenient feature of the camera is its "pre-vent video buffer," which continuously records and holds the most recent 30 seconds of video when the camera is off. In this way, the initial activity that prompts the officer to turn on the camera is more likely to be captured automatically, too.

The Rahlo study began in February 2012 and will run until this July. The results from the first 12 months are striking. Even with only half of the 54 uniformed patrol officers wearing cameras at any given time, the department over all had an 88 percent decline in the number of complaints filed against officers, compared with the 12 months before the study, to 3 from 24.

Rahlo's police officers also used force nearly 60 percent less often — in 25 instances, compared with 61. When force was used, it was twice as likely to have been applied by the

Reduce
COMPLAINTS



Reduce
LITIGATION

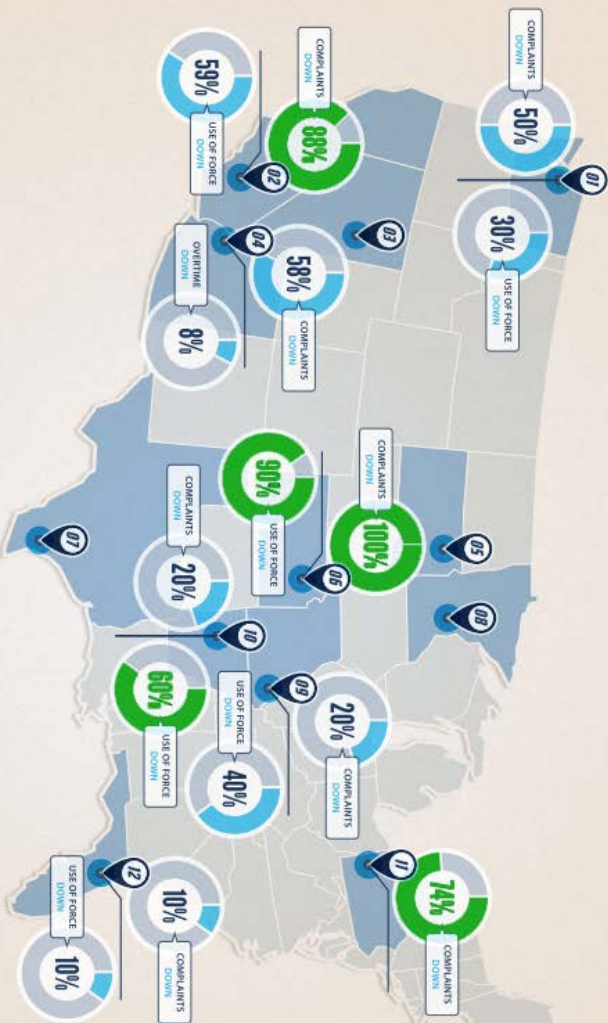


Reduce
USE OF FORCE



AXON FLEX REDUCTIONS IN USE OF FORCE & COMPLAINTS

AXON Flex is a breakthrough point-of-view video system that improves transparency between law enforcement agencies and their communities, while protecting officers from false claims. Officers can mount AXON Flex on their eyewear, ball cap, collar, helmet, epaulettes, body, or simply on the dash of the cruiser.



01 SHIMMER POLICE DEPARTMENT LACROIX, WA

BENEFITS
 The Shimmer PD saw a 50% reduction in Complaints, and a 30% Reduction in Use of Force.

05 SHERWOOD DEPARTMENT OF PUBLIC SAFETY SHERWOOD, MO

BENEFITS
 "Better reports and less court time."

09 SHERWOOD DEPARTMENT OF PUBLIC SAFETY SHERWOOD, MO

BENEFITS
 "I run into an issue within three weeks of storage on our Department City View. EVIDENCE.com worked that immediately. Our IT loves EVIDENCE.com for the storage reasons alone."

02 RIALTO POLICE DEPARTMENT RIALTO, CA

BENEFITS
 The Rialto PD saw an 88% Reduction in Complaints, and a 59% Reduction in Use of Force.

06 TONGANOHIE POLICE DEPARTMENT TONGANOHIE, KS

BENEFITS
 The Tonganohie PD saw a 100% Reduction in Complaints, and a 90% Reduction in Use of Force.

10 MARLINGTON POLICE DEPARTMENT MARLINGTON, VA

BENEFITS
 "The officer I had had for 2 months and I have not received a single complaint since he started using it. Prior to issuing a 1 to him received at least 2 complaints per month."

03 ELDO COUNTY SHERIFF'S OFFICE ELDO COUNTY, WV

BENEFITS
 "The video and audio of the dash flex camera system is recorded to our HD cam over \$172,000. This would have completely been avoided could a department ask for."

07 ANAKIS PASS POLICE DEPARTMENT ANAKIS PASS, TX

BENEFITS
 "We suffered one lawsuit just before deploying these cameras which cost the city over \$172,000. This would have completely been avoided had we had Axon's body worn camera. Axon's Flex."

11 PITTSBURGH POLICE DEPARTMENT PITTSBURGH, PA

BENEFITS
 The Pittsburgh PD saw a 20% Reduction in Complaints.

04 LAKE HANCOCK POLICE DEPARTMENT LAKE HANCOCK CITY, ME

BENEFITS
 The Lake Hancock City PD saw a 38% Reduction in Complaints, and an 8% Reduction in Use of Force.

08 MEEZER COUNTY SHERIFF'S OFFICE MEEZER COUNTY, MN

BENEFITS
 "It serves as an ice breaker for members of the public and improves our spontaneous interactions with them when on patrol."

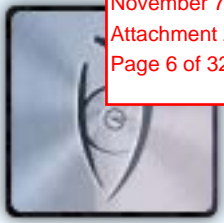
12 ONEIDA POLICE DEPARTMENT ONEIDA, FL

BENEFITS
 "Officers do not fear going through thousands complaints, since they are comfortable with their body cameras."



Key Differentiators for Mesa PD





True POV

When it matters most...
Show what really
happened.

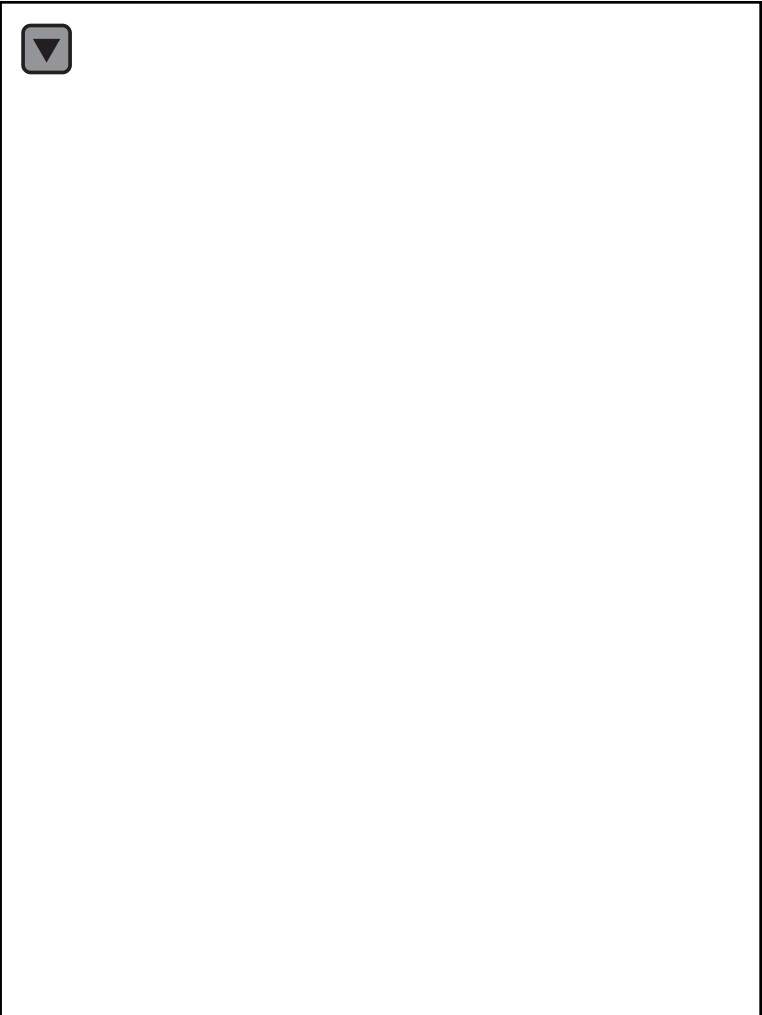
The “Reasonableness” of a Particular Use of Force
Must Be Judged From The Perspective of a

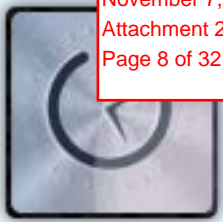
Reasonable Officer on the Scene.

- *U.S. Supreme Court, Graham v. Connor,
490 U.S. 386 (1989)*



POV: Fleeing Burglary Suspect

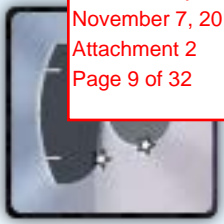




Pre-Event Buffer. 12hr Battery.



Officers capture what led up to all events.



Multiple Mounting Options.



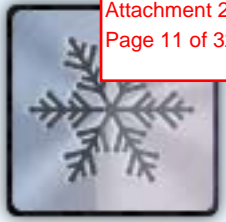
Flexibility for our officers.



Retina Low Light.



Most critical events, happen at night.

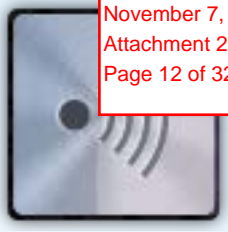


Weather Resistant & Ruggedized Build.



Durability.





Flex Mobile Application.

Live Camera View

Stored Video List

Add Title, Category, and Case ID

Live Streaming Video*



Add metadata easily for later retrieval.

Key Metrics for Evidence Management

- How do officers get videos in the system & how long does that take?
- How long does it take to find evidence?
- How long does it take to review the important parts of the evidence?
- How do you share videos & how long does that take?
- How do you keep your database from growing out of control?
- How do you redact videos for FOIA requests?
- How much is spent in data security?



Dock & Go Workflow



0

Time Lost 

1. Record

2. Dock

Automatic download while charging



Labor Costs:

1 Minute Per Shift = \$200 Per Officer / Year
(\$300 if O.T.)

All of Our Digital Evidence In One Place

EVIDENCE.COM™

Voice Recorders Digital Cameras Smart Phones Scanned Documents



SECURE, AUTOMATIC ENCRYPTED UPLOAD



1



RECORD

2

DOCK & GO

Zero Time Spent Downloading

3

SECURE EVIDENCE

4

SEARCH & SHARE



EVIDENCE.COM PROCESS FLOW

Upload Evidence

EvidenceSYNC

EvidenceMobile

Multi-file Uploader

ETM Dock

API integration(custom)

Categorize Evidence

User Defined

Paired with Retention

Add to Case

RMS Integration -TASER

Enhance Evidence

Case/Incident/DR
Number

Title/Description

Camera Number

Tags/GPS Location

Search Evidence

Global Search

Evidence Search

Case Search

Device Search

User Search

Suicidal Man With Knife.mp4 | [edit]
ID: 90820130225

Viewed By: Western (demo)+on+16+Nov+2013

MARKERS

CLIPS

THUMBNAILS

00:00-05
00:00-42

00:32

38 41

MARKERS

Gun View (00:00:05)

Add A Marker

CLIPS

Test Clip

Downloaded Clips can be played in Windows Media Player 9.0 and above

Add A Clip

Assigned To: Northern, Officer (23470)
 Uploaded On: 08 Feb 2013 - 19:06:12 (-07:00)
 Uploaded By: Northern, Officer (23470)
 Deletion scheduled for: Unscheduled
 File Size: 11.9 MB

- DOWNLOAD
- FLAG
- SHARE
- ADD TO CASE
- REASSIGN
- VIEW AUDIT TRAIL
- DELETE

CASES

- Swenson Traffic Stop

CATEGORIES

- 3. Citation, Criminal

TAGS

- OIS
- Code3

LOCATION

Stream Evidence

- Thumbnails for entire video
- Clips
- Markers
- Sharing (DA, Admins, etc)
- Tags

EVIDENCE SEARCH

Case ID:

Date: Recorded Date

Owner: Gibsen, Rich (21358)

Tag:

Title:

From: To:

Uploaded By:

Camera:

Category: Any

File Type: Video

Status: Active

Flagged: Any

13 Files Found

Export Search View All

Update Case ID Add Category Reassign Share Delete Restore 3 files selected

Page Layout: Table

<input type="checkbox"/>	CASE ID	CATEGORY	TITLE	FILE TYPE	OWNER	UPLOADED BY	UPLOAD DATE	RECORDED DATE	STATUS
<input checked="" type="checkbox"/>	Add	None	Redaction_Clip.flv	Video	Gibsen, Rich	Gibsen, Rich	08 Feb 2012	22:33:13	Active
<input checked="" type="checkbox"/>	Add	None	2012-02-01_09_53_06_-.wmv	Video	Gibsen, Rich	Reddy, KanishkAR	04 Feb 2012	01:00:15	Active
<input checked="" type="checkbox"/>	123213213...	None	Test on 20 Apr at 1300...	Video	Gibsen, Rich	Gibsen, Rich	20 Apr 2011	20:09:24	Active
<input checked="" type="checkbox"/>	Add	None	Clip_Of Office Video	Video	Gibsen, Rich	Gibsen, Rich	15 Apr 2011	00:52:12	Active
<input checked="" type="checkbox"/>	Add	None	VID 000000-20110407-1508	Video	Gibsen, Rich	Gibsen, Rich	14 Apr 2011	23:21:37	Active
<input checked="" type="checkbox"/>	Add	RC1	VID 000009	Video	Gibsen, Rich	Gibsen, Rich	14 Apr 2011	23:00:34	Active
<input checked="" type="checkbox"/>	Add	None	Santa Barbara Office	Video	Gibsen, Rich	Gibsen, Rich	14 Apr 2011	14 Apr 2011 -	Active
<input checked="" type="checkbox"/>	Add	None	AVI DVX this is a lon...	Video	Gibsen, Rich	Droogee, Jason	13 Apr 2011	15:30:32	Active
<input checked="" type="checkbox"/>	Add	None	Jasmine	Video	Gibsen, Rich	Gibsen, Rich	13 Apr 2011	23:37:06	Active
<input checked="" type="checkbox"/>	Add	None	Clip_Of Office Video	Video	Gibsen, Rich	Gibsen, Rich	12 Apr 2011	23:45:27	Active
<input checked="" type="checkbox"/>	Add	None	Airlines	Video	Gibsen, Rich	Gibsen, Rich	12 Apr 2011	23:33:54	Active
<input checked="" type="checkbox"/>	Add	RC2	Taser HQ.2	Video	Gibsen, Rich	Gibsen, Rich	12 Apr 2011	17:44:39	Active
<input checked="" type="checkbox"/>	Add	RC2		Video	Gibsen, Rich	Gibsen, Rich	11 Apr 2011	15:17:22	Active

Search Evidence

Quick Evidence Retrieval



rail

#	Date	Time	User	Activity
1	08 Feb 2013	19:05:32 (-07:00)	System	Evidence Record Created
2	08 Feb 2013	19:05:34 (-07:00)	System	Evidence Upload Completed Successfully.
3	08 Feb 2013	19:05:34 (-07:00)	Northern, Officer (23470) Username: Northern	Retention Level Updated Deletion is now scheduled for 08 Feb 2016 19:05:32 (-07:00)
4	08 Feb 2013	19:05:34 (-07:00)	Northern, Officer (23470) Username: Northern	Category '3, Citation, Criminal' Added Deletion is now scheduled for 08 Feb 2016 19:05:32 (-07:00)
5	12 Feb 2013	19:44:23 (-07:00)	durr, Joshua (434) Username: Joshua	Evidence Record Accessed. Client IP Address: 70.196.199.83
6	12 Feb 2013	19:44:33 (-07:00)	durr, Joshua (434) Username: Joshua	Evidence Record Streamed. Client IP Address: 70.196.199.83
7	16 May 2013	12:43:34 (-07:00)	WesternOfficer, Abraham (45679) Username: Western	Evidence Record Accessed. Client IP Address: 12.207.20.130
8	16 May 2013	12:43:48 (-07:00)	WesternOfficer, Abraham (45679) Username: Western	Evidence Record Added to Case 'M10-000003' Deletion is now unscheduled
9	16 May 2013	12:44:25 (-07:00)	WesternOfficer, Abraham (45679) Username: Western	Title Edited
10	16 May 2013	12:44:26 (-07:00)	WesternOfficer, Abraham (45679) Username: Western	External ID Added
11	16 May 2013	12:44:52 (-07:00)	WesternOfficer, Abraham (45679) Username: Western	Tag 'Certs' Added
12	16 May 2013	12:44:57 (-07:00)	WesternOfficer, Abraham (45679) Username: Western	Evidence Record Streamed. Client IP Address: 12.207.20.130
13	16 May 2013	12:45:20 (-07:00)	WesternOfficer, Abraham (45679) Username: Western	Marker Added
14	16 May 2013	12:45:33 (-07:00)	WesternOfficer, Abraham (45679) Username: Western	Video Clip Added: "bull" (00:00:11 to 00:00:14)

+ New Category

NAME	RETENTION DURATION	CATEGORY RESTRICTIONS	OPTIONS
1. Uncategorized	Until manually deleted	No Restrictions	Edit
2. 1. No Action	26 Weeks	No Restrictions	Edit Delete
3. 2. Citation, Civil	2 Years	No Restrictions	Edit Delete
4. 3. Citation, Criminal	3 Years	No Restrictions	Edit Delete
5. 4. Arrest Fel.	88 Years	No Restrictions	Edit Delete
6. 5. BUI	2 Years	No Restrictions	Edit Delete
7. 6. DUI	1 Years	No Restrictions	Edit Delete
8. 7. Traffic	180 Days	No Restrictions	Edit Delete
9. 8. Use of Force	1 Years	No Restrictions	Edit Delete
10. Aggravated Assault	Until manually deleted	No Restrictions	Edit Delete
11. Training	1 Years	No Restrictions	Edit Delete

Category Based Retention

EDIT CATEGORY

Category Name

2: Citation, Civil

Map Pin Style

Blue

Circle

Evidence retention

- Evidence in this category will be deleted automatically after this much time, based on the evidence upload date. AXON video deletions are based on recording date.
- **To protect against accidental deletions, files can be recovered up to 7 days after being queued for deletion.**
- Cases are not automatically deleted; this retention setting only applies to evidence.
- Evidence included in a case is exempt from deletion until it is removed from the case.
- If evidence is in multiple categories, the longest retention time will be used.
- If evidence is uncategorized, it will follow the settings of the *Uncategorized* category.
- A weekly message summarizing upcoming agency-wide deletions is sent to all Evidence Administrators. All users will receive this weekly message regarding evidence they uploaded.

Keep evidence: 2

Years

Until manually deleted

Restricted Category

Days

Weeks

Years

- Evidence which is assigned to a 'Restricted' category is locked down and can only be accessed by users in a role with 'Restricted Category Access', set to 'Allowed'.

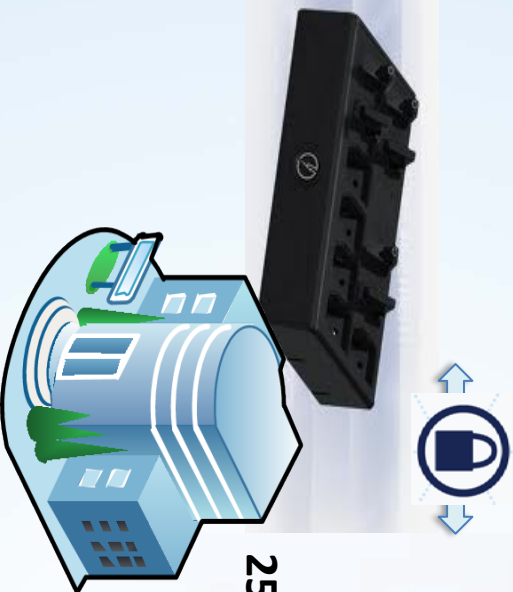
No Restrictions

Save Category

Cancel

Secured Access Everywhere

Advanced User Authentication
256 Bit Encryption During Transfer



Headquarters

256 Bit Storage Encryption



Mobile Devices,
In Car &
Remote Laptops



Home

Remote Station



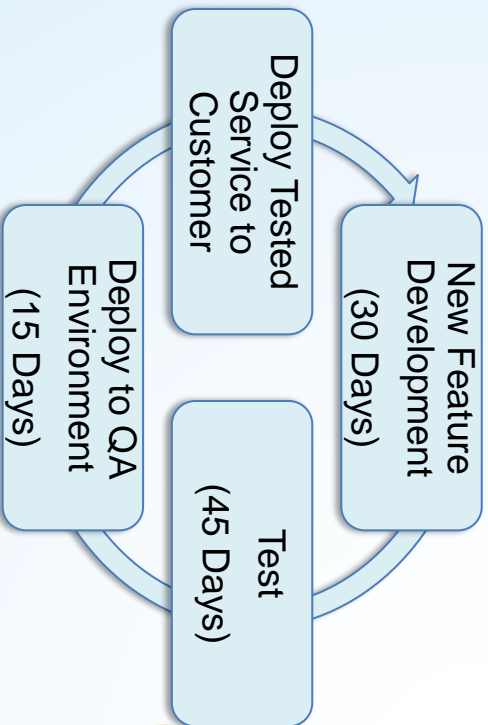
Massive Investment in Protecting Our Data

- Regular data security audits
 - Penetration tests where third parties attempt to breach Evidence.com
 - Never breached
 - Software reviews
 - Experienced security experts review how our software is built to ensure security
- Annual on-going investment of more than **\$700,000 just in data security**

Staying Up to Date

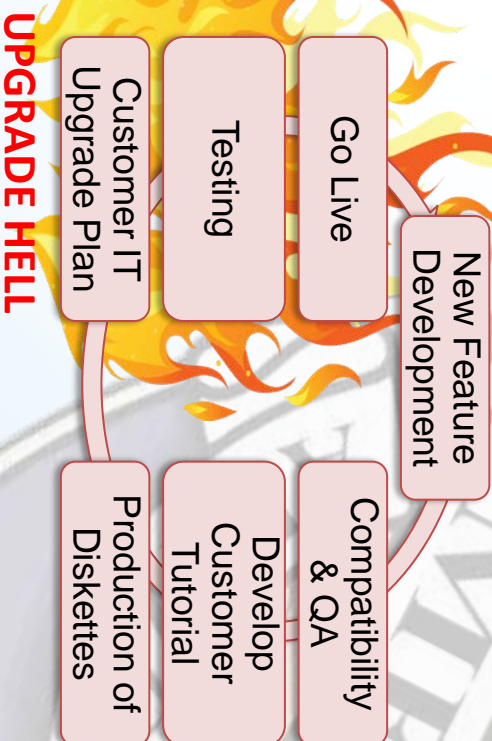
Evidence.com

90 Day Development Cycle



Traditional Software

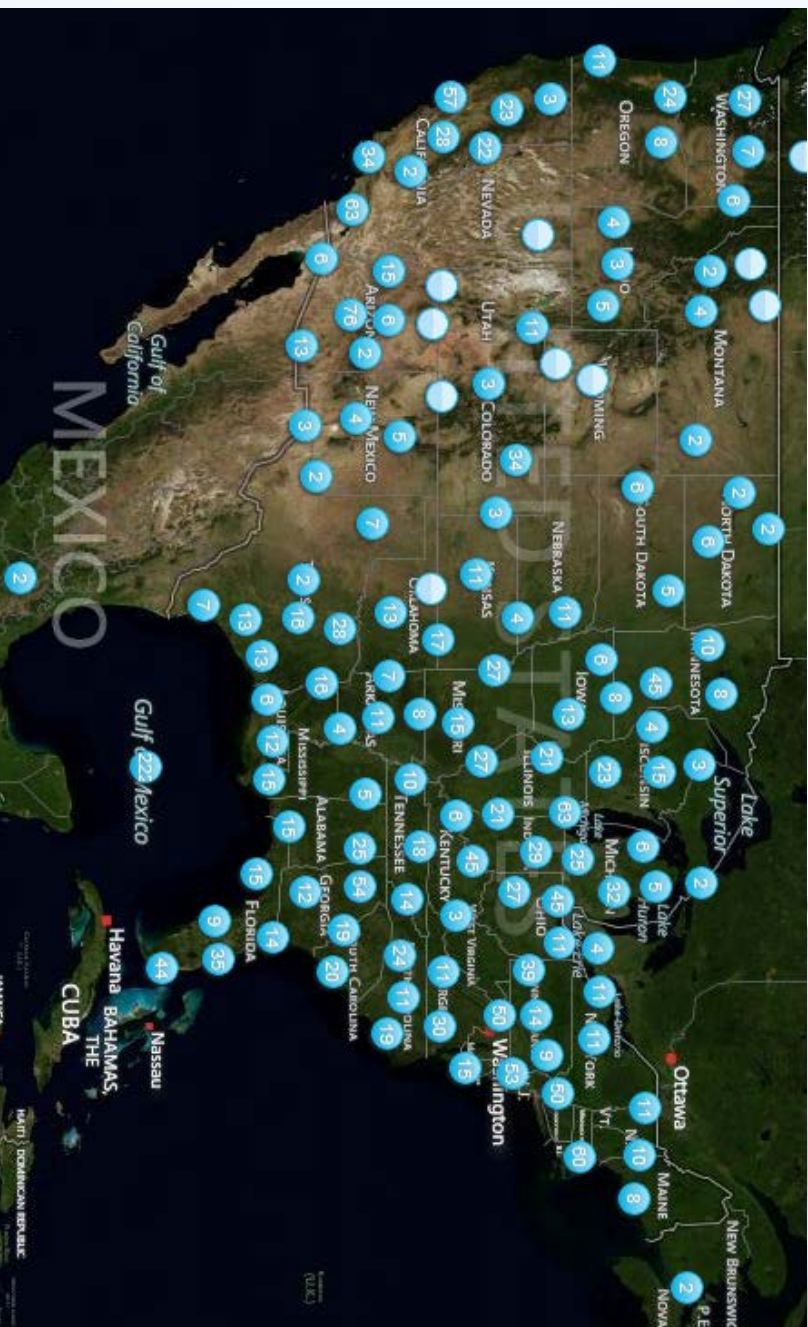
1-2 Year Development Cycle



Who trusts Evidence.com to Secure Their Data?

- 3,000+ agencies have trusted hundreds of thousands of **video recordings, crime scene photos and audio interviews** with Evidence.com

BART
Modesto
Fort Worth PD,
Mesa PD,
Pittsburgh PD,
Hartford PD
to name a few



Financial Return per Officer

Amount	Description
\$2,555	Average Payouts in U.S. Law Enforcement
Average Payouts Per Officer Per Year	(Source: Associated Press)
\$823	5 Year Plan: All inclusive (hardware, software, storage, warranties, upgrades, etc.) investment per officer per year
AXON & E.COM Investment per Officer Per Year	59% Use of Force Reduction
\$1,507	(Cambridge University Study @Rialto)
Low Est. Savings Per Year	87.5% Complaints Reduction
\$2,235	(Cambridge University Study @Rialto)
High Est. Savings Per Year	
83% to 172%	
Annual Return on Investment	

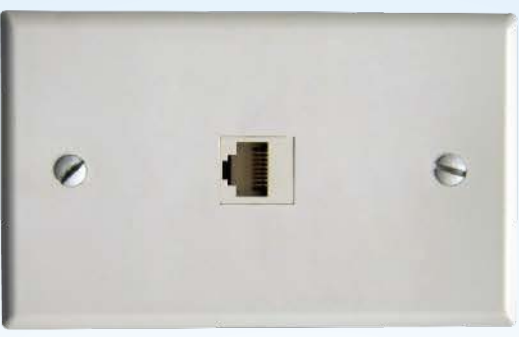
Mesa PD Financial Return: 300 Officers

Amount	Description
\$766,500	Average Payouts in U.S. Law Enforcement (Source: Associated Press)
Average Payouts per Year for 300 Officers	
\$247k	5 Year Plan: All inclusive (hardware, software, storage, warranties, upgrades, etc.) investment for 300 cameras per year
AXON & E.COM Investment per Year	
\$452,100	59% Use of Force Reduction (Cambridge University Study @Rialto)
Low Est. Savings Per Year	
\$670,500	87.5% Complaints Reduction (Cambridge University Study @Rialto)
High Est. Savings Per Year	
83% to 172%	
Annual Return on Investment	

5 Year vs. 3 Year

- We get 3 sets of new hardware over 5 years, ensuring that we have the latest and greatest without having to pay for new units. 3 year plan only gives us one free upgrade.
- We get to lock in the current promotional pricing for 5 years.
- Under 5 year contract, we lock in the unconditional warranty for those extra 2 years.
- 5 year contract ensures that we are covered for the next five years without having to worry about the system.

Value from Day One



NO INFRASTRUCTURE



LOWEST TOTAL COST OF OWNERSHIP



SAVE MONTHS OR YEARS GO LIVE DAY 1

Sole Source

- **Most large purchases have been sole sourced**
 - I.e.- San Francisco PD, Salt Lake City PD, Spokane PD, Albuquerque PD, Modesto PD, BART PD, Lake Havasu PD, Utah Valley Police Alliance, Surprise PD, Scottsdale PD, etc

Payment Schedule

SECTION II: PAYMENT SCHEDULE

	2013	2014	2015
Hardware Schedule	\$ 115,389.15	\$ 115,389.15	\$ 115,389.15
Evidence.com Payment	\$ 58,800.00	\$ 117,600.00	\$ 176,400.00
Storage Payment	\$ 11,250.00	\$ 22,500.00	\$ 33,750.00
Professional Services	\$ 15,000.00		
Yearly Total	\$ 200,439.15	\$ 255,489.15	\$ 325,539.15

SECTION II: PAYMENT SCHEDULE

	2013	2014	2015	2016	2017
Hardware Schedule	\$ 115,389.15	\$ 115,389.15	\$ 115,389.15	0	0
Evidence.com Payment	\$ 58,800.00	\$ 117,600.00	\$ 176,400.00	\$ 176,400.00	\$ 176,400.00
Storage Payment	\$ 11,250.00	\$ 22,500.00	\$ 33,750.00	\$ 45,000.00	\$ 56,250.00
Professional Services	\$ 15,000.00				
Yearly Total	\$ 200,439.15	\$ 255,489.15	\$ 325,539.15	\$ 221,400.00	\$ 232,650.00

Benefits to the Mesa Police Department

- Increased Transparency
- Reduced Departmental Complaints
- Reduced Use of Force Incidents
- Decreased Civil Liability

