



Public Safety Information Technology



Eddie T. Johnson, Superintendent of Police

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- **3 Police Areas**

- 280 Beats

- 22 Police Districts

- **Beat is where CAPS happens**

- **Officers work on the same beat and same watch for year**

- Answering calls for service
 - Problem solving with community



Summary: Major Tech Grants

DHS: Urban Area Security Initiative (UASI) 2014, 2015

CLEAR Infrastructure, Mapping, Cameras, Radios, Vehicle Tech

DHS: Broadband Pilot

Test Broadband Communications (LTE) in 007 District, Purdue

BJS: NCS-X (National Criminal Statistics Exchange- NIBRS), 2015, 2016

NIBRS Compliance

BJA: Body Worn Cameras, 2015

1,500 BWCs in six (6) districts, University of Illinois

BJA: Smart Policing, 2015

Expand Predictive Policing model, Illinois Institute of Technology

NIJ: Predictive Policing, 2013

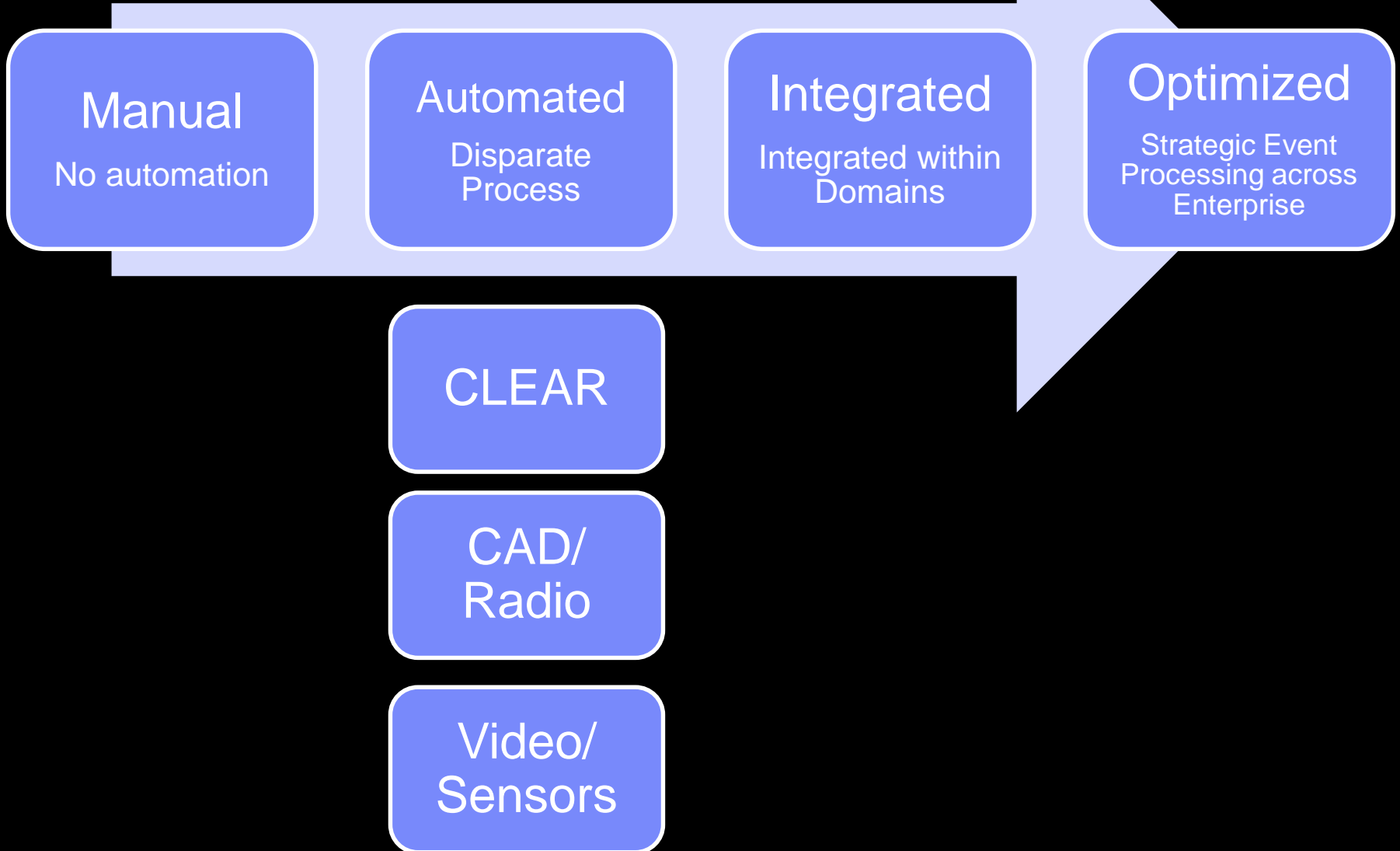
Develop Predictive Policing model, Illinois Institute of Technology

NIJ: Optimizing Use of Video Technology, 2014

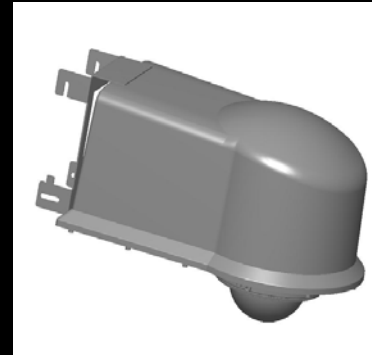
Test video analytics, develop camera deployment model, IIT



Capability Maturity Model



Surveillance Cameras



Body Worn Cameras

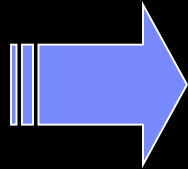
- 2,000 cameras, seven police districts
- All uniformed and plain-clothed district field officers and Sgts



Non-Integrated Video

- Current State

External Users
- Subpoena/ FOIA to CPD



Manual Review
Separate Systems
Paper Requests
Mail DVD/ CD

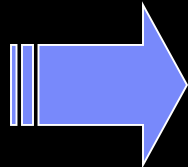
In-Car

ERI

Foray

BWC

External Users
- Subpoena/ FOIA to CPD



Manual Review
Separate Systems
Paper Requests
Mail DVD/ CD

911
Audio

POD
OVS

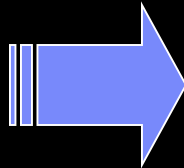


Video Integration

- Future State

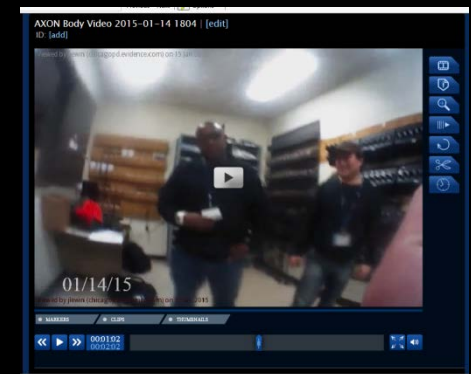
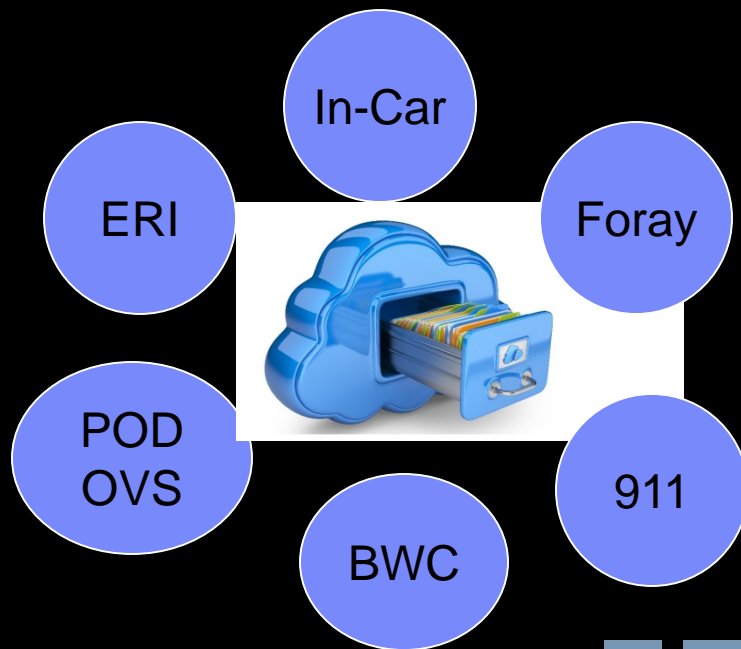
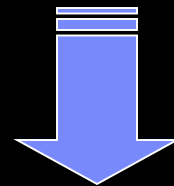
External Users

- Subpoena/ FOIA GovQA



Review/ Approve

- No paper
- Integrated
- Electronic delivery



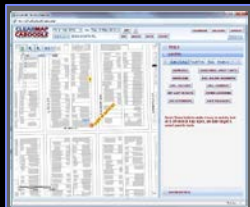
- Future State



Integrated: Operation Virtual Impact (OVI)



ShotSpotter



Caboodle Map



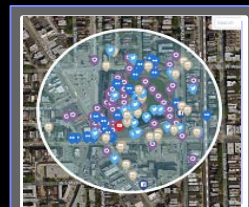
SSL Dashboard



Vigilant LPR



Genetec Cameras



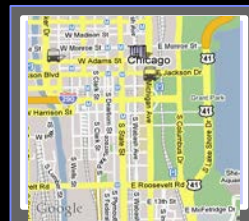
Social Media



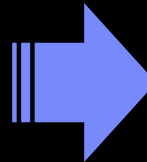
Citizen Crime Tips



911 CAD

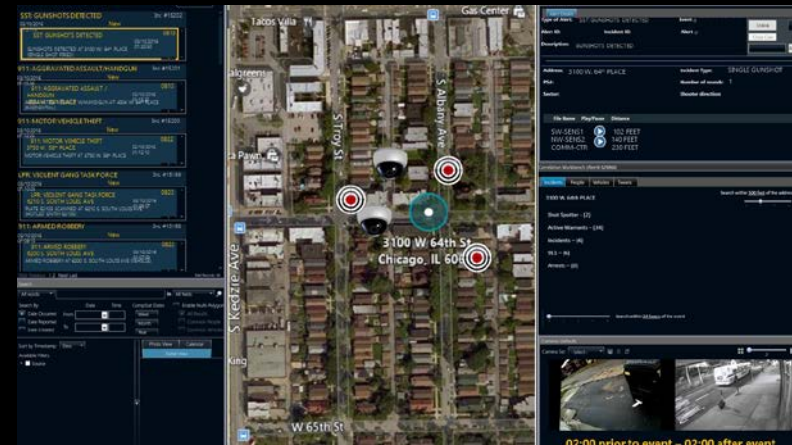


Police/ Fire/ CTA GPS



Notifications

Prediction Engine



Single Integrated Analysis Platform

Already Integrated with ShotSpotter, Genetec

Desktop and SmartPhone Clients

Body-Worn Camera Committee



**BODY-WORN
CAMERA**

Chicago Police Department
Eddie T. Johnson
Superintendent of Police

Governance

- ▶ Leadership Team
 - ▶ Chair: D/C Lewin, other team leads below
- ▶ Admin Team (D/C Lewin/Director Conway)
 - ▶ ISD, OLA, R&D, Grants, Finance
- ▶ Engagement (Patrol Cmdr, Training Lt)
 - ▶ Dist Cmdr, Training Div, Patrol HQ
- ▶ Community Engagement (D/C Washington)
 - ▶ Community, CAPS



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TRAINING & TECHNICAL ASSISTANCE

Phase II BJA Pilot Districts

| PILOT | CONTROL |
|-------|---------|
| 014 | 025 |
| 015 | 011 |
| 002 | 012 |
| 010 | 008 |
| 004 | 003 |
| 006 | 005 |
| 009 | 007 |



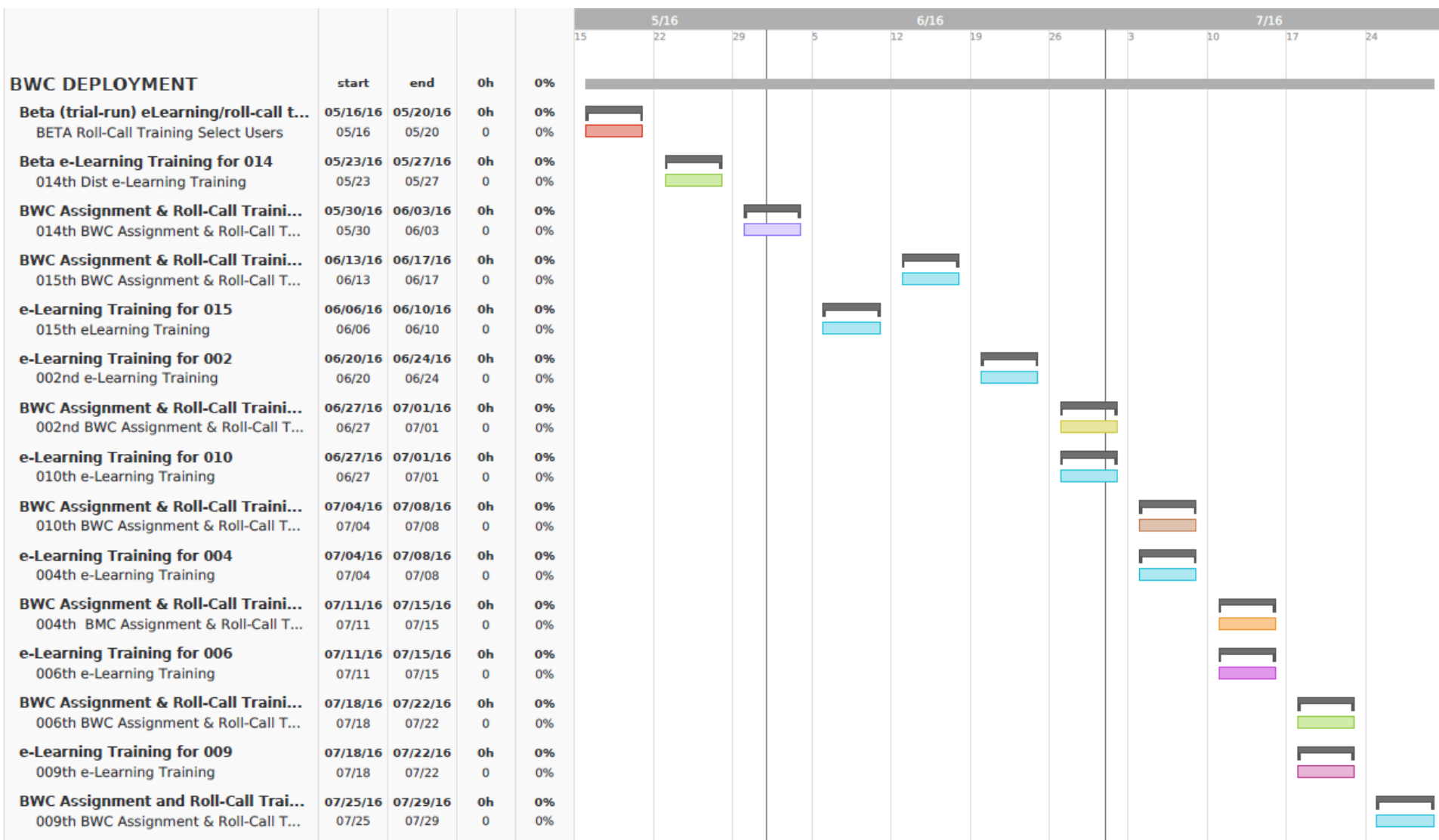
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Schedule

| DATE | MILESTONE |
|-----------|-------------------------|
| 5/16/2016 | Beta training, 014 5/16 |
| 5/23/2016 | 014 eLearning 5/23 |
| 5/30/2016 | 014 Roll-Call 5/30 |
| 6/6/2016 | 015 eLearning 6/6 |
| 6/13/2016 | 015 Roll-Call 6/13 |
| 6/20/2016 | 002 eLearning 6/20 |
| 6/27/2016 | 002 Roll-Call 6/27 |
| 6/27/2016 | 010 eLearning 6/27 |
| 7/4/2016 | 010 Roll-Call 7/4 |
| 7/4/2016 | 004 eLearning 7/4 |
| 7/11/2016 | 004 Roll-Call 7/11 |
| 7/11/2016 | 006 eLearning 7/11 |
| 7/18/2016 | 006 Roll-Call 7/18 |
| 7/18/2016 | 009 eLearning 7/18 |
| 7/25/2016 | 009 Roll-Call 7/25 |



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Technology Matrix

| | AXON | AXON 2 | MOTO | COBAN | OTHERS |
|---------------------------|-------|--|-------|--|--------|
| RESOLUTION | STD | HD | HD | HD | HD |
| WiFi | NO | YES | YES | YES | YES |
| STORAGE | 8G | 64G | 32G | | ? |
| RECORDING | 12HRS | 72HRS | 36HRS | | ? |
| MILSPEC | NO | YES | YES | | ? |
| RADIO INTEGRATION | NO | | YES | | ? |
| IN CAR CAM INTEGRATION | NO | YES* Axon 2 can be ICC and BWC, requires replacing Coban ICC, BWC can be mic | | YES* Coban BWC can be mic for Coban ICC and can upload onto same platform | ? |

Phase I

- ▶ Twenty-nine (29) Taser Axon cameras
- ▶ 014th District, 3rd Watch
- ▶ In progress since late Feb 2015



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Usage

- ▶ 4,610 total videos
- ▶ 1,025 total hours of video
- ▶ Avg 419 videos per month
- ▶ Avg 14 videos per officer per month
- ▶ Avg 2 videos per officer per tour



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- ▶ Video stored in Evidence.com cloud platform
- ▶ Dept members will announce when they are recording
- ▶ Recording allowed
 - ▶ If on public way or in public view
 - ▶ In private residences or other places with reasonable expectation of privacy if lawful reason for presence of law enforcement officers
 - ▶ During routine calls for service
- ▶ Officers must be associated with a PCAD event when recording



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TRAINING & TECHNICAL ASSISTANCE

Evidence.com

- ▶ ISD manages platform and ensures access
- ▶ Officers may view their own recordings
- ▶ Supervisors and authorized personnel from appropriate units will have access
- ▶ Non-Department access will be facilitated via email request to include subpoena
- ▶ Immediate viewing requests will be facilitated when appropriate



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Body–Worn Cameras and Use of Force

- ▶ BWCs in the Use of Force Risk Management Cycle
 - Identification and Assessment
 - Mitigation Strategies
 - Implementation of Strategies
 - Evaluation
 - Policy and Procedural Revision
- ▶ BWCs and the Use of Force Policy Nexus
- ▶ BWCs and Use of Force Analysis



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Video Management

- ▶ How is video accessible to internal/ external users?
- ▶ How is video tagged?
- ▶ How is video redacted?
- ▶ How is video requested from people without direct access? (State's Attys, Complaint Review)



General Information (V)

- ▶ Devices individually assigned to officers
- ▶ Audio and Video recorded
- ▶ No expectation of privacy for Dept members
 - ▶ Officer will announce that they are recording
 - ▶ Camera is labeled
- ▶ BWC is manually activated and deactivated
- ▶ 30 Second pre-event buffer for video only



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- ▶ Video stored in Evidence.com cloud platform
- ▶ Not to be used
 - ▶ Lockup
 - ▶ Admin duties
 - ▶ Community Policing office
 - ▶ Desk duty
- ▶ Minor infractions not subject to discipline
- ▶ Must use both BWC and ICC if equipped
- ▶ Officers must be associated with a PCAD event when recording



Recording Guidelines (V)

- Announce that they're recording
- Record on public way/ public view
- In private residences or other places where reasonable expectation of privacy exists and lawful reason for police presence
- Record entire incident
 - Routine calls for service, inv stops, traffic stops, pursuits, emergency response, high risk situations, any encounter that becomes adversarial, any other instance when enforcing the law
- Disengage when requested by victim, witness, confidential informant (unless exigent circumstances or reasonable belief that victim/ witness has committed/ is committing crime)
- Record entire incident, not disengage until entire incident recorded. If arrest, incident is concluded when subject is transported to station.
- No recording where reasonable expectation of privacy exists (dressing rooms, restrooms) unless required for capturing evidence.
- No recording sensitive body parts unless required for capturing evidence.
- No recording inside medical facilities except proper police purpose.



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Operational Procedures (VI)

- ▶ Sign out BWC from radio room
- ▶ Ensure operational
- ▶ Record events consistent w/ directive
- ▶ Return at end of tour for docking/ upload
- ▶ Sgts ensure Dept members are using
- ▶ DSS ensure BWCs utilized, CAD lineup
- ▶ Watch Lt randomly reviews video
- ▶ Watch Lt submits weekly report to XO



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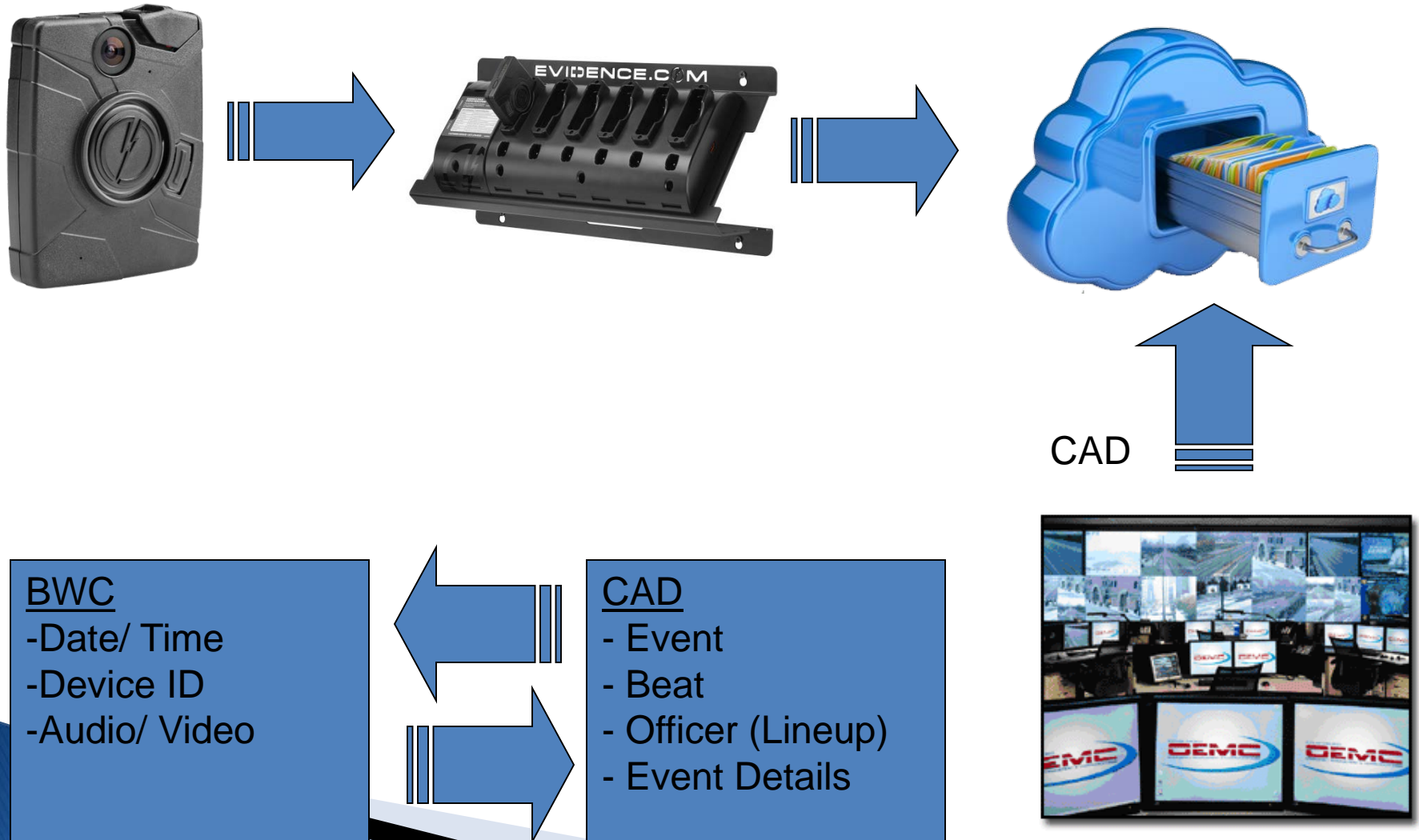
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Docking Station



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Automatic Upload



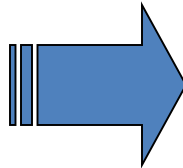
Evidence.com

Authorized CPD Users

- Direct via Evidence.com

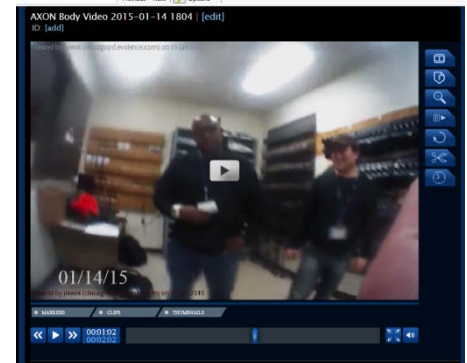
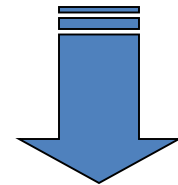
External Users

- Subpoena sent to ISD



Review/ Approve

- Temporary access



New Law 1 Jan

30 second video buffer

10 hrs or more recording time

Officers can view video, must document

On during law enf encounter or call for service

* Victim or community member request turn off

Not use to discipline for minor infractions

* Supervisor ensures equipment working

* Annual reports to training board on usage



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Phase II BJA Pilot

- ▶ Eighteen (18) months
- ▶ Six districts (2 per Area)
- ▶ Uniformed PO/ FTO/ SGT, all watches
- ▶ Mandatory Project Eval, UIC
- ▶ Pre-Test, Post-Test
- ▶ Satisfaction Surveys (CPD and Public)
- ▶ BWC used for coaching/ training of officers



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