



# Los Angeles County DNA Order Tracking System (DOTS)



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**Los Angeles County Sheriff's  
Department**

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# This is the County, Los Angeles CA

- 10 Million County Residents
- 88 Incorporated Cities
- 4,084 Square Miles
- 45 Independent Police Departments
- Over 92k Budgeted Employees
- 30% in Law and Justice
- 21,000 Inmates



# DNA Order Tracking System DOTS





# ***DOTS - DNA Order Tracking System***

*California Passage of Proposition 69  
(11/2004)*

**Expanded the number of subjects for which DNA can be legally obtained for DNA profile database(s).**

- **All Felony Convictions**
- **Qualified Arrest Charges**
- **Qualified Prior Convictions (including all PC 296 Sex Registrants)**





## ***Proposition 69 DNA Requirements***

- **Meet legal requirements for taking DNA sample**
- **Avoid taking DNA for subjects with DNA already on-file**
- **Submit DNA for processing to the appropriate DNA Crime Lab**
- **Submit DNA profiles to the FBI CODIS database for multi-agency crime solving**
- **Reimburse DNA collection agencies for processing costs (\$30/specimen)**





## ***DNA Collection Business Goals***

- **Utilize DNA evidence to support conviction and exoneration of persons accused of crimes**
- **Solve current and COLD cases by increasing the population of DNA profiles in CODIS**





## *The FBI Laboratory's Combined DNA Index System (CODIS)*

**CODIS enables federal, state, and local crime labs to exchange and compare DNA profiles electronically, thereby linking crimes to other crimes and persons to crimes.**





## ***DNA Collection Business Process***

- ***Subject Positive Identification (fingerprint...)***
- ***Does Subject have DNA on File?***
- ***Does Subject meet legal requirements for DNA collection?***
  - ✓ Prior qualifying Convictions (Local, State and Federal Criminal History Checks)
  - ✓ Qualifying Court Convictions
  - ✓ Qualifying Arrest Charges
  - ✓ Court Order(s) to collect DNA
  - ✓ State Notification that DNA is required (State Criminal History)





## ***DNA Collection Business Process Continued***

- **Submit DNA to Crime Lab**

DNA Transmittal Form

- **Submit Reimbursement Claim for DNA Collection**

DNA Collection invoice to LA County eCAPS





# DOTS Arrest Booking Interface

✓ *For all LA County arrests, DOTS will:*

- **Check if DNA is on file**
- **Check if arrest charge(s), priors, or existing Court Orders qualify for DNA collection**
- **Notify law enforcement booking station if DNA collection is required**
- **Provide online forms, electronic records documentation and scanning facility to complete DNA collection process.**





**CA-D O J**

- ✓ AFIS Fingerprint matching
- ✓ Issue State ID Number
- ✓ Return Match
- ✓ State Rapsheet

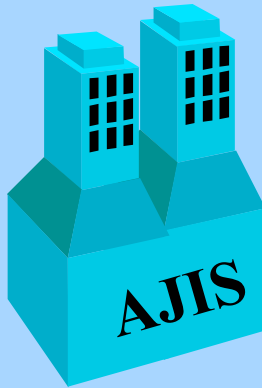


**FBI -D O J**

- ✓ IAFIS Fingerprint matching
- ✓ Issue FBI Number
- ✓ Return Match
- ✓ FBI Rapsheet



**DOTS**



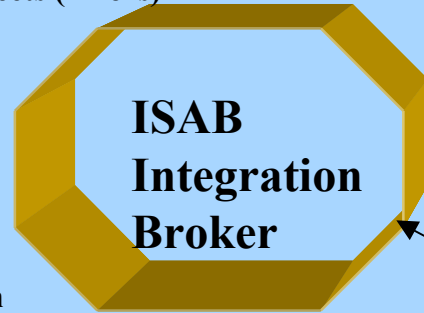
**AJIS**

- ✓ Arrest Information
- ✓ Fingerprint ID's
- ✓ Rapsheets (Priors)



**CCHRS**

- ✓ Add Arrest Record
- ✓ Add D.A. Reject
- ✓ Local Rapsheet
- ✓ DNA Status (On file, Required, Court Order, Recollect,.....)



**ISAB  
Integration  
Broker**

- ✓ Arrest Information
- ✓ Arrest Disposition
- ✓ Local LAFIS Fingerprint ID



**PIMS**

**PIMS**

- ✓ Arrest Information
- ✓ Prosecution Case Filing (Notice to collect DNA)
- ✓ D.A. Reject



**Livescan Station**

- ✓ Fingerprints
- ✓ Arrest Booking
- ✓ Booking Photo

**AN ARREST**



# DOTS Court Interface

✓ *For all LA County Court Cases, DOTS will:*

- **Check if DNA is on file**
- **Check if conviction charge(s) qualify defendant for DNA collection or DNA Court Order issued**
- **Notify Court when DNA is taken or is refused by defendant**
- **Provide online forms, electronic records documentation and scanning facility for in-custody collection center to perform the DNA collection process.**





**CCHRS**

- ✓ Court Charge Dispositions
- ✓ DNA Court Orders

- ✓ Add Court Record
- ✓ DNA Status (On file, Required, Court Order, Recollect,..... )



**JAI**

- ✓ Juvenile Charge Dispositions
- ✓ Juvenile DNA Court Orders



**TCIS**

- ✓ Adult Charge Dispositions
- ✓ Adult DNA Court Orders

**CASE PROCEEDINGS**



# DOTS Non-Custody Subject Interface

- ✓ *For all LA County Walk-ins Court Order referrals, Sex Registrants, Probationers and Parolees*
- Provide online forms, electronic records documentation and scanning facility for non-custody defendants, probationers, registrants and parolees.





# DOTS Business Activity Monitoring

- **DNA collection volumes by agency ORI**
- **Timeframe to process DNA into CODIS**
- **Quantity of DNA collections outstanding**
- **Funds disbursed for reimbursement of DNA collection**





# DOTS Application and Integration Technology

## *Application*

- **J2EE java programs**
- **Open Source Eclipse Development Environment**
- **Open Source Business Rules Engine (DROOL)**
- **ORACLE 10g Database**
- **HP/UX**







# DOTS Application and Integration Technology continued

## *Integration*

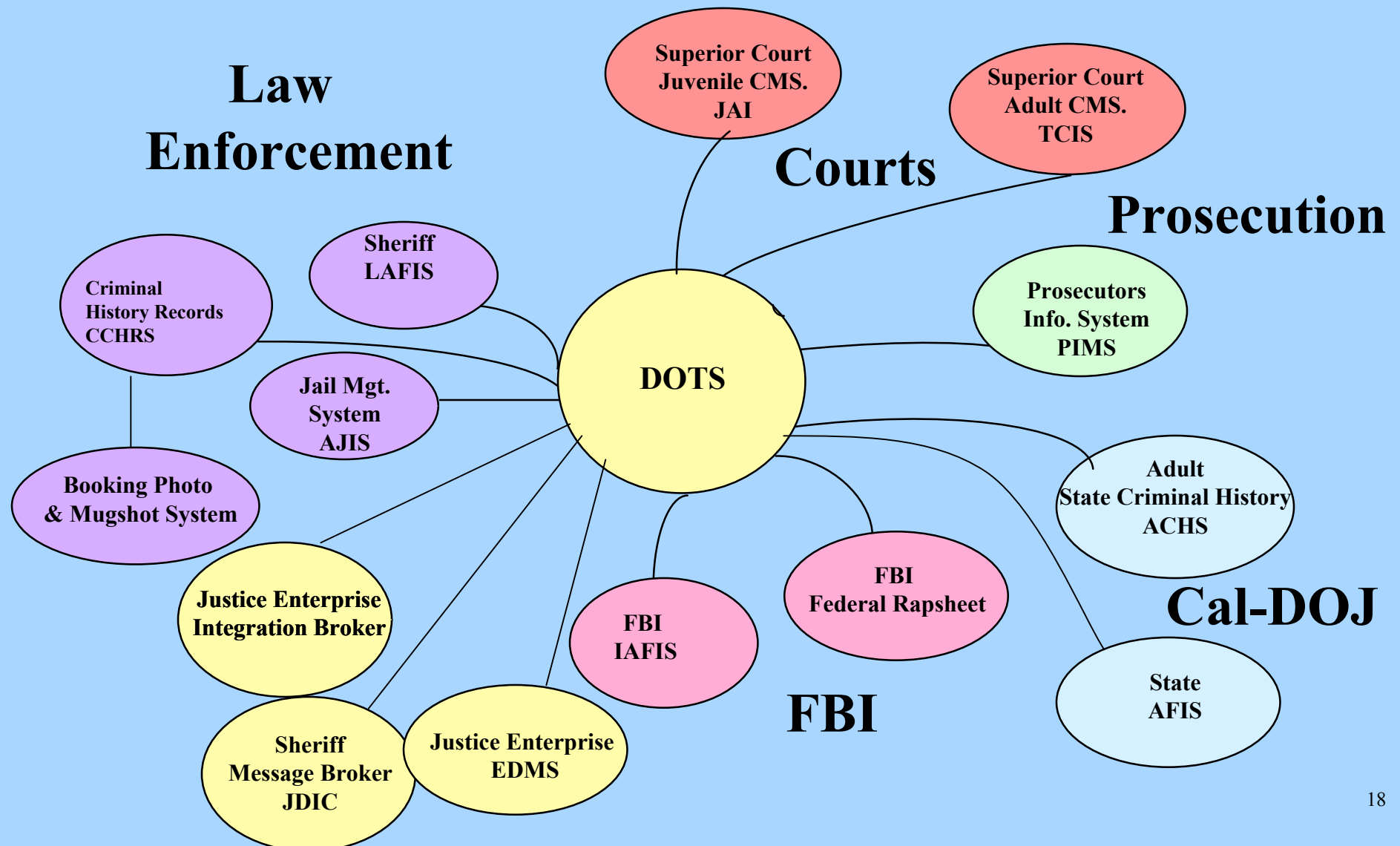
- **Justice XML for all Web Services**
- **PDF for all DNA documentation**
- **Web Services Security with XML Digital Signature , XML Encryption**
- **Encryption of Messages over network using HTTPS**
- **LA County Justice Enterprise Document Management System (EDMS)**
- **LA County ISAB Integration Broker**
- **LA County Sheriff Integration Message Switch (JDIC) to CLETS, NLETS and FBI**





# DOTS

## Systems Information Exchanges





# DOTS Value-Add

## *Reuse*

- **Developing Justice XML messages and documents (Livescan Returns, FBI Rapsheets, etc)**
- **Leveraging selective legacy application functionality with Web Service enablement**
- **Piloting deployment of XML Security, schema validation, auditing and monitoring as a common shared service utilizing XML Security Appliance(s)**





# Thank You.....

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