



FBI



Criminal Justice Information Services Division





Law Enforcement National Data Exchange N-DEX

August 2010

Unclassified/For Official Use Only



“... The U.S. government has access to a vast amount of information. But it has a weak system for processing and using what it has. The system of ‘need to know’ should be replaced by a system of ‘need to share’”

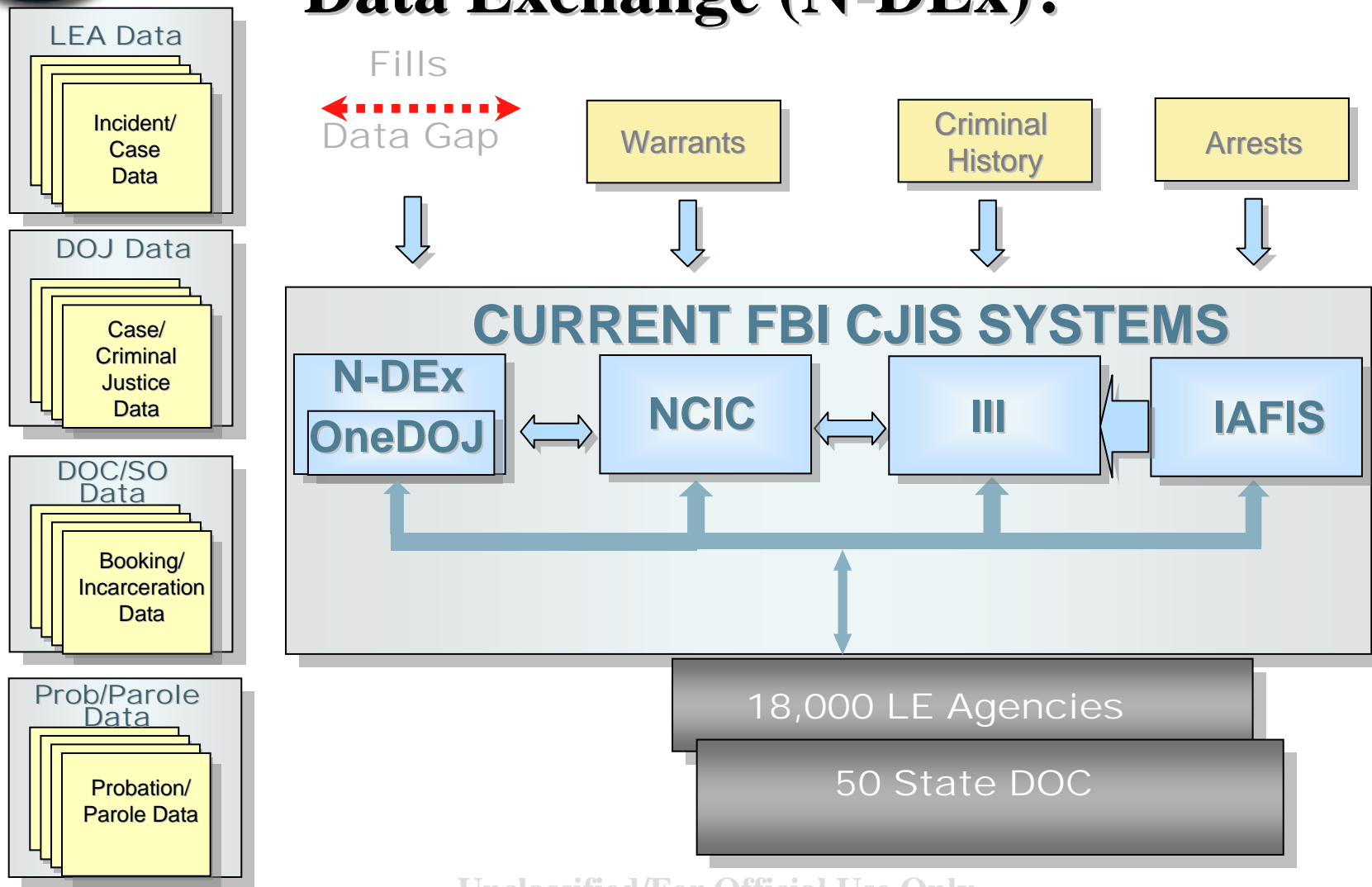


“ The U.S. government has access to a vast amount of information. But it has a weak system for processing and using what it has. The system of ‘need to know’ should be replaced by a system of ‘need to share’ **But no agency can solve the problems on its own – to build the network requires an effort that transcends old divides, solving common legal and policy issues in ways that can help officials know what they can and cannot do. Again, in tackling information issues, America needs unity of effort.**”

*The 9/11 Commission Report,
Executive Summary*



Why Law Enforcement National Data Exchange (N-DEX)?

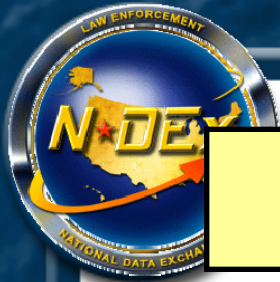




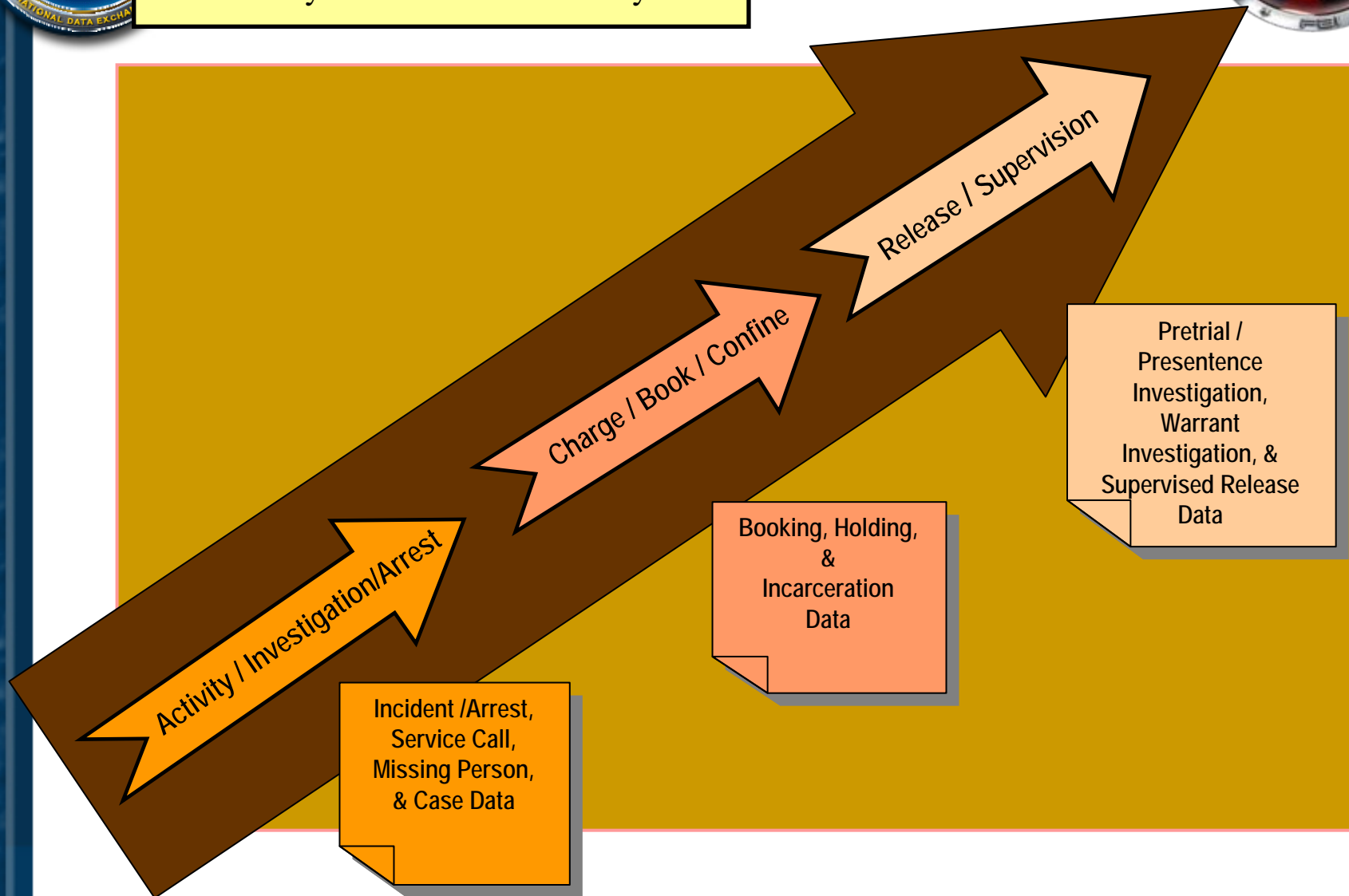
Endorsements and Support

- Governed by the CJIS Advisory Policy Board
 - State and local representatives share management of administration and operation of the System.
- Partnerships (Criminal Justice Associations)
 - International Association of Chiefs of Police
 - National Sheriffs' Association
 - Major Cities Chiefs
 - Major County Sheriff's Association
 - American Probation and Parole Association
 - Association of State Correctional Administrators
 - Interstate Commission for Adult Offender Supervision
- Partnerships (Industry)
 - IJIS Institute

N-DEx Data and Information Services



N-DEx Captures The
Lifecycle of Criminal Activity





N-DEx is based on Standards!

- National Information Exchange Model (NIEM)
- Logical Entity Exchange Specification (LEXS) provided needed framework for packaging – fits CJIS business
 - Reusable structure
 - Across business line
 - Normalize data for discovery
 - Value added implementation



National Information Sharing



- N-DEX brings together incident and case data, booking and incarceration data, and parole/probation data from Criminal Justice agencies (CJAs) throughout the United States, which has never been done before.
- Detects relationships between people, vehicle/property, location and/or crime characteristics.
- Links information across jurisdictions.
- “Connects the dots” between data that is not seemingly related.
- Supports multi-jurisdictional task forces.



Sharing Using N-DEX



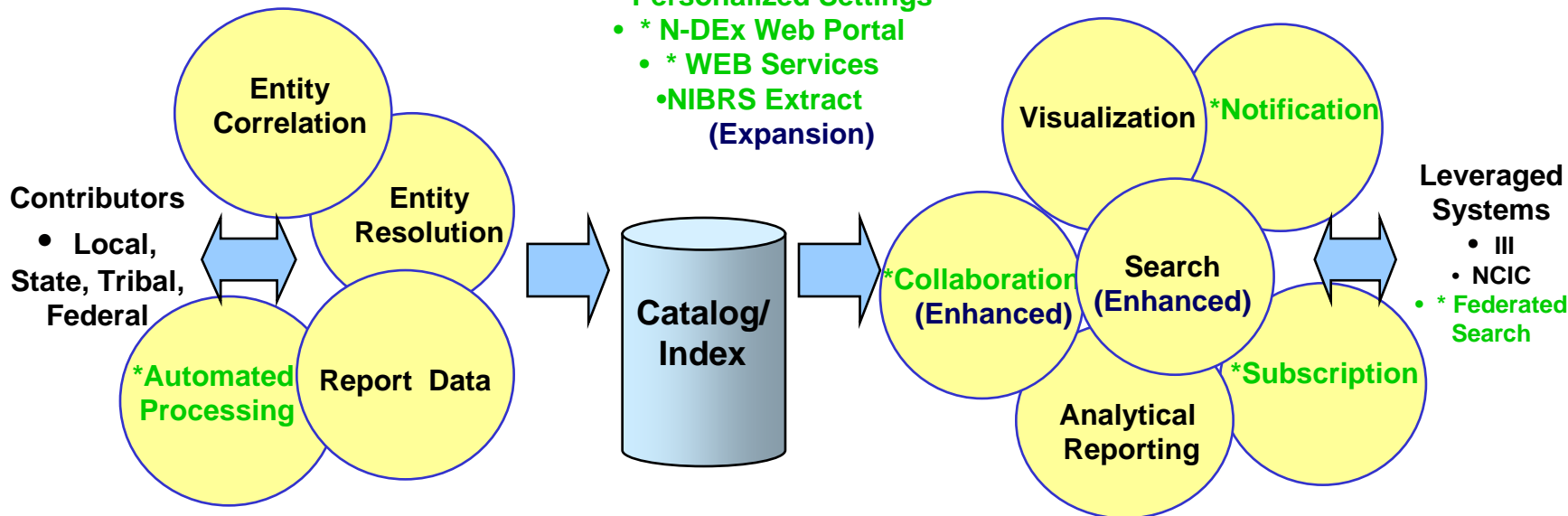
- Enhanced nationwide access to arrest and non-arrest contact information
- Opportunity to participate in CJA Taskforce efforts
- Collaboration and coordination of offender management and services throughout CJA community
- Enhanced safety through reentry notification
- Improved sentencing decisions using offender data and risk/needs assessments
- Cost savings through national sharing



N-DEX Incremental Deployment

Other Features

- Data Sharing Policies Control
- Role-Based Access Control
 - On-Line Training
- * Personalized Settings
- * N-DEX Web Portal
- * WEB Services
- *NIBRS Extract (Expansion)



- Initial Functionality – 50,000 users
 - Increment 2 - * - 100, 000 users
 - Increment 3 - () – 200,000 users

Data Types

- Incident/Case Data
- * Arrest/Booking Data
- * Incarceration Data
- (Probation/Parole Data)



N-DEX

Data Sharing Control

The data owner controls dissemination of their data submitted N-DEX by assigning levels of sensitivity that protect investigative equities.

LEVEL 1 – NOT RESTRICTED

Green level data is disseminated to all authorized users.

LEVEL 2 – POINTER

N-DEX provides the capability for data contributors to specify “pointer based” sharing of data. (POC Info Only)

LEVEL 3 – RESTRICTED

N-DEX provides the capability for data contributors to restrict data they submit to N-DEX. The Red level is reserved for the most restricted investigative information.



N-DEX/OneDOJ Sharing Network

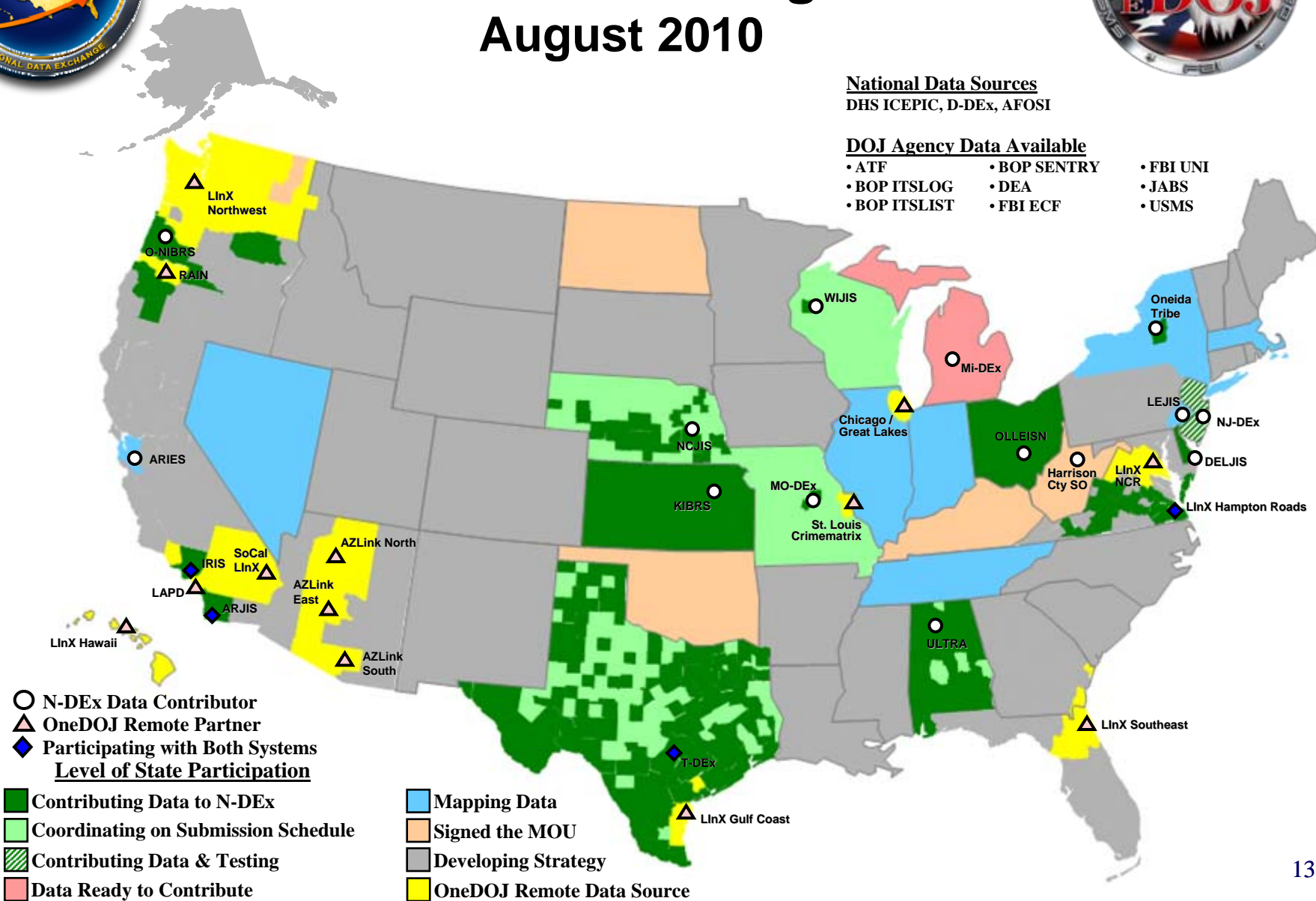
August 2010

National Data Sources

DHS ICEPIC, D-DEX, AFOSI

DOJ Agency Data Available

- ATF
- BOP ITSLOG
- BOP ITSLIST
- BOP SENTRY
- DEA
- FBI ECF
- FBI UNI
- JABS
- USMS





Current N-DEx Participants

- N-DEx is receiving data from 22 systems representing over 2,600 agencies
- Local, state, tribal and other federal agency data available to users through N-DEx access
- Current data available in N-DEx - 98,608,842 records
- **Federal**
 - FBI
 - ATF
 - BOP
 - DEA
 - AFOSI
 - U.S. Marshal
 - JABS
- **Regional**
 - San Diego Automated Regional Justice Information System (ARJIS)
 - Los Angeles Incident Information Reporting System (IRIS)
 - Hampton Roads, VA (LInX)
 - Harrison Co, WV
- **State**
 - Alabama (ULTRA)
 - Delaware (DELJIS)
 - Kansas (KIBRS)
 - Missouri (Mo-DEx)
 - Nebraska (NCJIS)
 - New Jersey (NJ-Dex)
 - Ohio (OLLEISN)
 - Oregon (O-NIRBRS)
 - Texas (T-DEx)
 - Wisconsin (WIJIS)
- **Tribal**
 - Oneida



N-DEX/OneDOJ Sharing Network

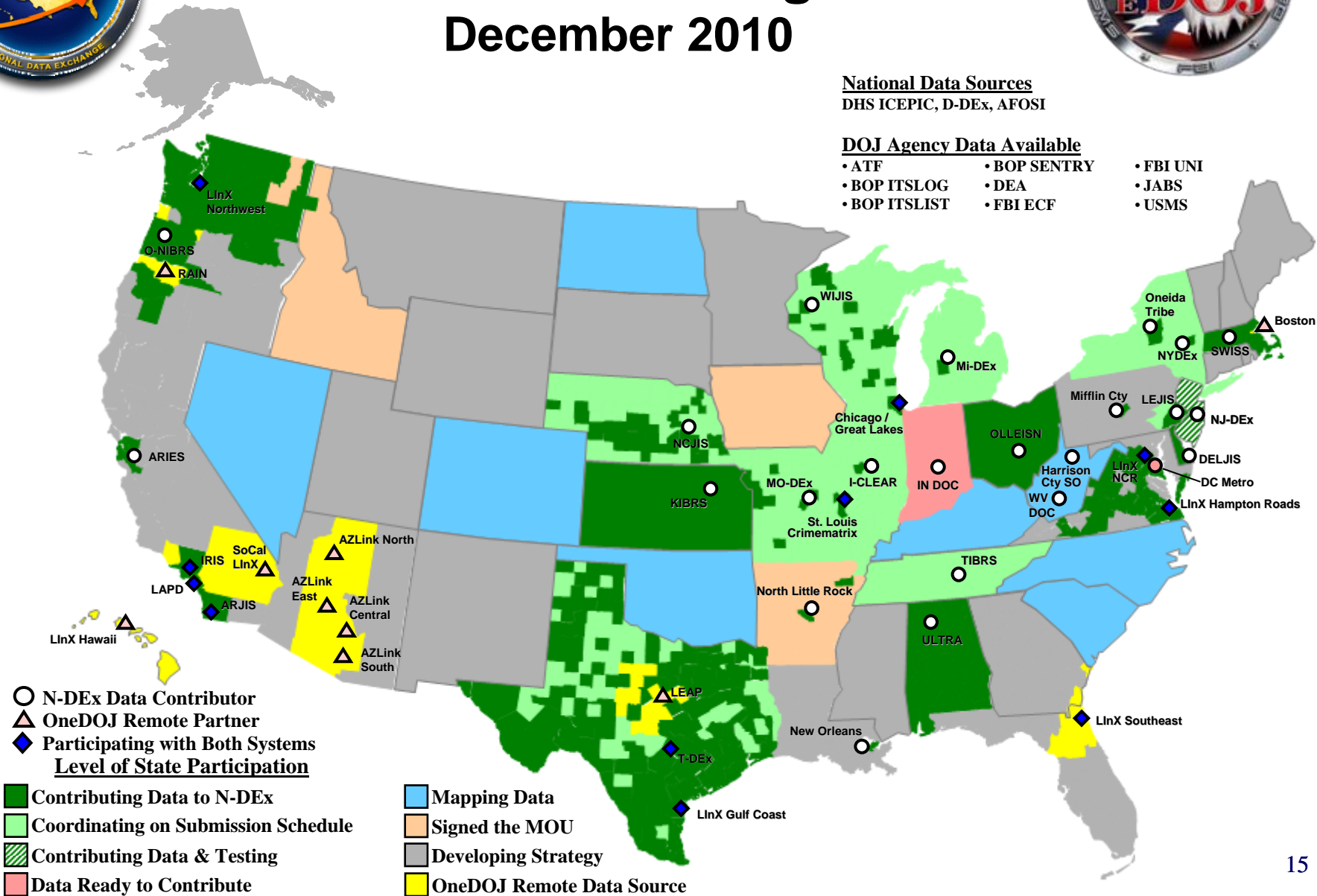
December 2010

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- N-DEX Data Contributor
 - △ OneDOJ Remote Partner
 - ◆ Participating with Both Systems
- Level of State Participation**

- Contributing Data to N-DEX
- Coordinating on Submission Schedule
- Contributing Data & Testing
- Data Ready to Contribute
- Mapping Data
- Signed the MOU
- Developing Strategy
- OneDOJ Remote Data Source



Projected N-DEx Participants



- **N-DEx has commitments from the following participants:**
 - **Federal**
 - DHS ICEPIC
 - D-DEx
 - **Regional**
 - Bay Area California (ARIES)
 - Chicago (CLEAR)
 - District of Columbia Metro Police Department
 - Gulf Coast Region (LInX)
 - Los Angeles Police Department
 - Mifflin County, PA
 - National Capitol Region (LInX)
 - New Orleans Police Department
 - North Little Rock, AR
 - Northwest Region (LInX)
 - Southeast Region (LInX)
 - Southeastern Pennsylvania (LEJIS)
 - St. Louis (Crimematrix)
 - **State**
 - Illinois (I-CLEAR)
 - Indiana - DOC
 - Massachusetts (SWISS)
 - Michigan (Mi-DEx)
 - New York (NYDEx)
 - Tennessee (TIBRS)
 - West Virginia – DOC



Searchable N-DEX Records

(as of August 10, 2010)

| <u>Component</u> | <u>Source</u> | <u>Record Description</u> | <u>Data Volume</u> |
|---------------------------------------|---------------|--|--------------------|
| ATF | NFORCE | <ul style="list-style-type: none"> •Subject of Interest •Open & Closed cases | 84,417 |
| BOP | ITSLOG | <ul style="list-style-type: none"> •Federal inmate authorized call logs | 11,176,243 |
| | ITSLIST | <ul style="list-style-type: none"> •Federal inmate authorized call lists | 2,469,401 |
| | SENTRY | <ul style="list-style-type: none"> •Federal inmate biographical & activity records through out incarceration | 1,540,661 |
| DEA | NADDIS | <ul style="list-style-type: none"> •Subjects of interest w/phone numbers, locations and associates •Open cases | 3,286,048 |
| FBI | FBI ECF Data | <ul style="list-style-type: none"> •Open and closed case records, including narratives | 193,114 |
| | FBI UNI Data | <ul style="list-style-type: none"> •Subjects of interest with phone numbers, locations and associates •Open and Closed cases | 482,193 |
| U.S. Marshal Service | WIN | <ul style="list-style-type: none"> •Case Records | 52,693 |
| JABS - Joint Automated Booking System | JABS | <ul style="list-style-type: none"> •Images | 3,760,368 |
| | JABS | <ul style="list-style-type: none"> •Booking data | 3,226,570 |



Searchable N-DEx Records

(as of August 10, 2010)

| <u>Component</u> | <u>Source</u> | <u>Record Description</u> | <u>Data Volume</u> |
|-------------------------------|---------------|---------------------------|--------------------|
| Air Force OSI | I2MS | •Incident/Case | 17,434 |
| Alabama | ULTRA | •Incident/Case | 4,773 |
| California – San Diego | ARJIS | •Incident/Case | 1,467,817 |
| California – Los Angeles | IRIS | •Incident/Case | 3,286,985 |
| Delaware | DELJIS | •Incident/Case | 475,718 |
| Kansas | KIBRS | •Incident/Case | 802,135 |
| Missouri State Highway Patrol | Mo-DEx | •Incident/Case | 102,318 |
| Nebraska | NCJIS | •Incident/Case | 115,942 |
| New Jersey State Police | NJDEX | •Incident/Case | 1,786,597 |
| Ohio | OLLEISN | •Incident/Case | 4,514,583 |
| Oneida Indian Nation New York | Oneida | •Incident/Case | 95 |
| Oregon | O-NIBRS | •Incident/Case | 543,402 |
| Texas | T-DEx | •Incident/Case | 43,118,513 |
| VA – Hampton Roads | LInX | •Incident/Case | 16,096,634 |
| West Virginia | Harrison Co. | •Incident/Case | 3,496 |
| Wisconsin | WIJIS | •Incident/Case | 692 |

***Over 98,000,000 records currently in N-DEx and increasing daily**



Outreach & Services



User Support Services

- **N-DEx IEPD Mapping**
 - Agency should contact the Regional Coordinator
 - Answers questions and guides the agency during the mapping/application development process
 - Performs the mapping task with the agency providing consulting then assist the agency with the application development.
 - *Program Office can perform both the mapping and application development tasks with the agency providing consulting as necessary*
- **Cost Modeling**
 - Provides a standard basis for developing and modeling cost scenarios.
 - Allows for the input of multiple variables to form of profiles –demographic segmentation by technological capability.
 - N-DEx Program Office can provide agencies with cost estimate based on data within the cost model.
 - N-DEx Program Office provided Arizona, Alaska, and Nevada with a cost estimate based on information provided by the state. This information can be used in planning and supporting budget requests or grant funding.



User Support Services

- **Grant Writing Assistance / Consulting**
 - Collaborating closely with BJA and DOJ regarding the availability of grant funding for information sharing
 - Established a communication plan with state and local agencies
 - Informing them of available grants
 - Offering assistance with funding criteria when requesting the grants
 - Presented at BJA and DOJ conferences across the United States
- **Outreach**
 - Established to increase:
 - Critical CJA engagement levels
 - Transactional Usage
 - Data Sources
 - Create new and improve current relationships
 - Obtain, analyze and document user feedback
 - Continuous improvement of the N-DEx System
 - Identify possible success stories
 - Encourage usage of N-DEx



N-DEx Stakeholder Outreach

(West Virginia Summit, July 20, 2010)

- WV CSO
- US Attorney Generals (Northern & Southern)
- WV Department of Military Affairs and Public Safety Acting Cabinet Secretary
- Homeland Security State Administrative Agency Director
- WV State Police Superintendent
- Division of Corrections Commissioner
- Regional Jail and Correctional Facility Authority Executive Director
- Probation Services Director
- Parole Board Chair
- Parole Services Director
- Division of Criminal Justice Services Director
- Homeland Security and Emergency Management Director
- Division of Protective Services Director
- United States District Courts (Northern & Southern)
 - Clerks and Chief Probation Officers
- WV State Tax Department Criminal Investigations Division Director
- FBI
 - Pittsburgh Field Office
 - Resident Agencies
- US Marshals (Northern & Southern)
- Fusion Center Director
- Major City Police Chiefs
 - Beckley, Bridgeport, Charleston, Clarksburg, Fairmont, Huntington, Martinsburg, Morgantown, Parkersburg, South Charleston, Weirton, Wheeling
- Major County Sheriffs
 - Berkeley, Cabell, Fayette, Harrison, Hancock, Jefferson, Kanawha, Marion, Monongalia, Ohio, Preston, Putnam, Raleigh, Wood,
- WV CJA Organizations
 - (i.e. WV Crime Fighters)
- RMS Service Provider
 - In-Synch, New World, VisionAir, etc.



User Support Services


- **Training**

- Computer Based Training (CBT)
 - Foundation of N-DEX education
 - Available on the LEO homepage, compact disc, and N-DEX system under the training button
 - Nine 30 minute modules currently available
- Train the Trainer
 - Flexible curriculum, designed to permit lessons to be tailored to the audience
 - Instructional materials are compliant with the FBI's Police Instruction criteria
 - Instruction is expected to take one full day
 - Class covers N-DEX system and functions, building upon the CBT modules
- User Training
 - Provided at the request of the agency
 - Ability to meet user requests is solely dependent on resource availability and the training schedule
- Users Manual
 - Available in an electronic format via a link in LEO and the N-DEX system
 - Divided into segments and is searchable from N-DEX utilizing the help button
 - Details all aspects of the N-DEX system and explains all features in a step-by-step manner



New Look and Feel

Current Simple Search View



National Data Exchange

[Help](#) | [Training](#) | [Profile](#) | [Sign Out](#)

Search | **Subscription** | **Collaboration** | **Preferences**

Structured Search | **Full Text Search**

Search History

Minimize Maximize

check all | uncheck all | [Delete](#)

SSN: [Go to Query](#) [Go to Results](#)

Day of Birth: 05
Month of Birth: 06
Year of Birth: 1975
First Name:

Structured Search

Search by Person | Crime Characteristics Search | Property Search | Location Search

Data Sources: NDEX OneDOJ

| | | |
|----------------------|----------------------|----------------------|
| Last Name | First Name | Middle Name |
| <input type="text"/> | <input type="text"/> | <input type="text"/> |

| | | | |
|----------------------|--------------|--------------|--|
| AKA | Sex | Race | SSN |
| <input type="text"/> | -- Select -- | -- Select -- | <input type="text"/> - <input type="text"/> - <input type="text"/> |

| | | | |
|--|--------------------------|----------------------------------|---|
| Date of Birth | Current Age | Driver's License Number (OLN/DL) | Issuing Authority (OLN State/Territory) |
| <input type="text"/> <input type="text"/> <input type="text"/> | +/- <input type="text"/> | <input type="text"/> | -- Select -- |
| <i>mm dd yyyy</i> | +/-1 | | |

NCIC Number

Limit By Incident Date
From Date To Date

Saved Search Results

Minimize Maximize

[Create new Folder](#)

[Success Story](#)



**For additional information please
contact the N-DEX Program Office:**

Email: ndex@leo.gov

Phone: (304) 625-4219

Read more on the Web at:

http://www.fbi.gov/hq/cjisd/ndex/ndex_home.htm

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