



NATIONAL CAPITOL REGION LAW ENFORCEMENT INFORMATION EXCHANGE

Catherine A. Miller

NCR-LInX Program Manager

Montgomery County, MD Police

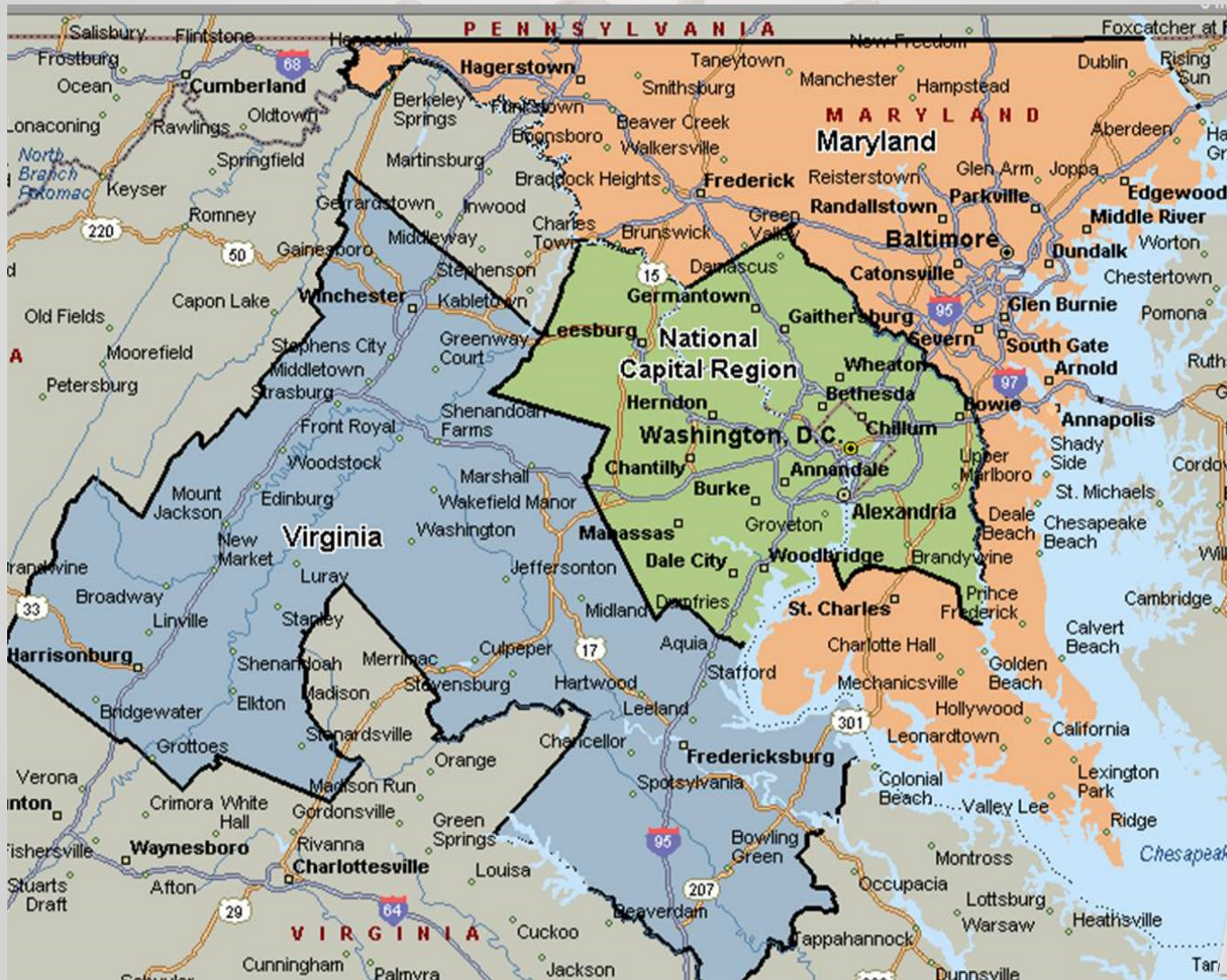




NCIS

UNITED STATES NAVAL CRIMINAL INVESTIGATIVE SERVICE

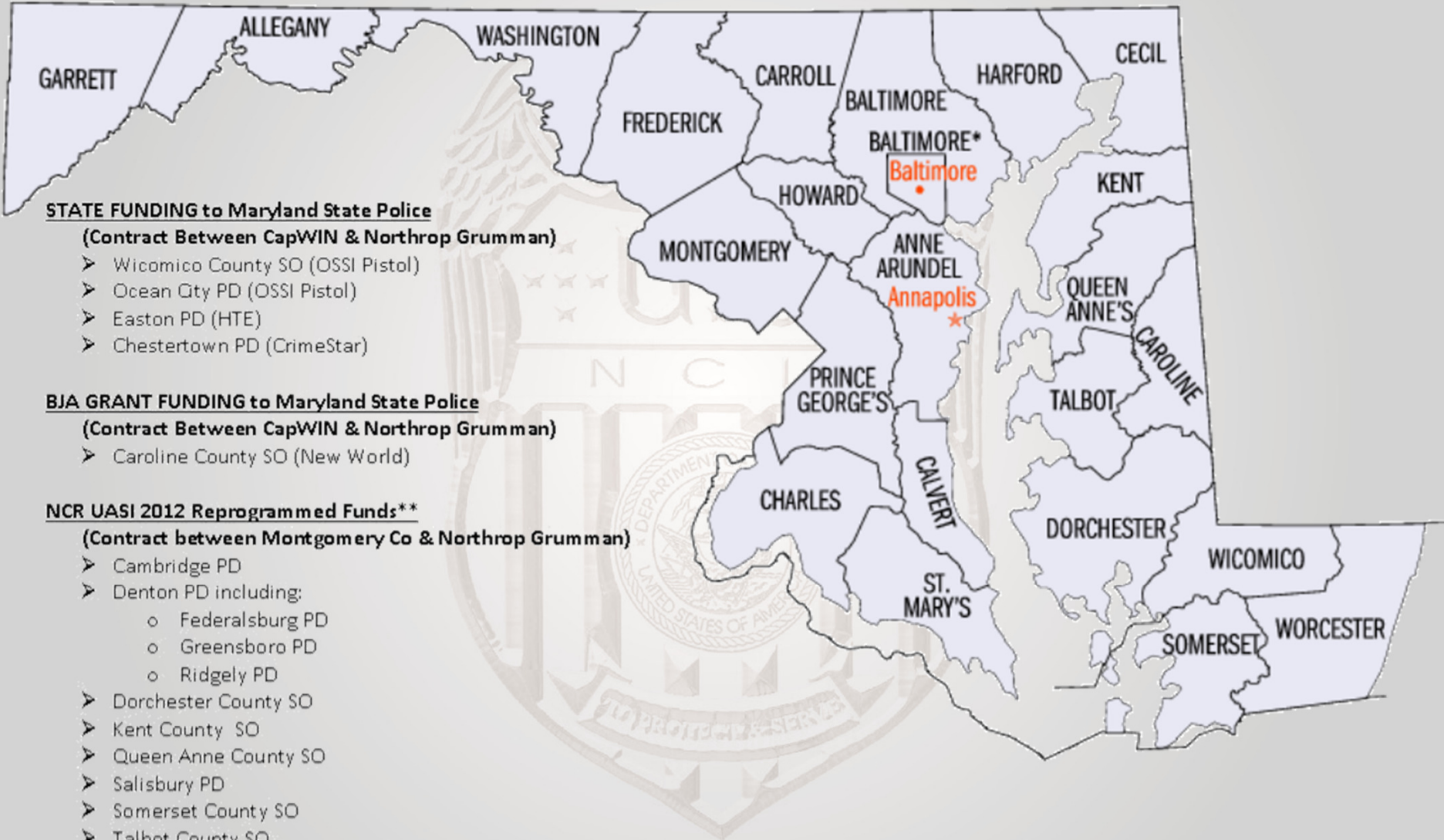
NCR-LINX MEMBERSHIP – 127 MEMBERS



LinX

NCR-LINX GOVERNANCE

- **NCR- LInX Memorandum of Understanding**
 - To be a member agency, an agency **MUST** provide data
 - Each agency retains ownership of the data they share with LInX
- **NCR-LInX Operational Policy and Rules**
 - All users **MUST** read AND sign
- **NCR-LInX Governance Board**
 - Composed of each participating agency's Head or designee (formally meets semi-annually – March and September)
 - One vote per agency regardless of size
 - Nine Member Executive Committee - makes routine decisions & meets every other month (Jan, May, July, and November)
 - Legal Committee – reviews information sharing laws and provides recommendations
 - Oversight Committee - ensure compliance with the rules and policies and recommends changes to policies, rules, and training requirements



STATE FUNDING to Maryland State Police

(Contract Between CapWIN & Northrop Grumman)

- Wicomico County SO (OSSI Pistol)
- Ocean City PD (OSSI Pistol)
- Easton PD (HTE)
- Chestertown PD (CrimeStar)

BJA GRANT FUNDING to Maryland State Police

(Contract Between CapWIN & Northrop Grumman)

- Caroline County SO (New World)

NCR UASI 2012 Reprogrammed Funds**

(Contract between Montgomery Co & Northrop Grumman)

- Cambridge PD
- Denton PD including:
 - Federalsburg PD
 - Greensboro PD
 - Ridgely PD
- Dorchester County SO
- Kent County SO
- Queen Anne County SO
- Salisbury PD
- Somerset County SO
- Talbot County SO
- Worcester County SO

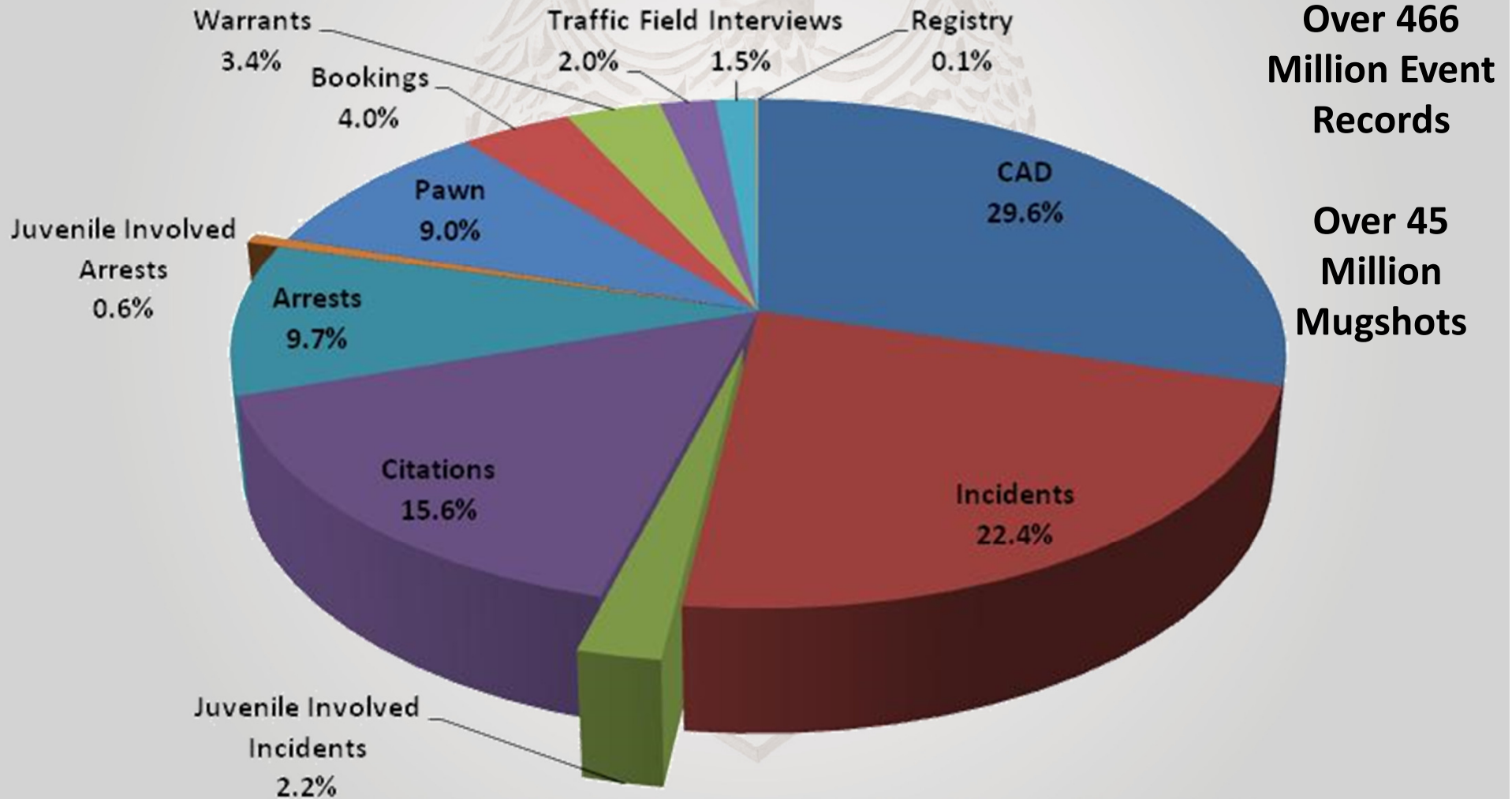


LINX REGIONS SUMMARY - DATA / USERS

Region	Member Agencies in Region	Agencies providing Data	Trained Active Users per Region	Total Event Records	Narratives	Mugshots
DDEx	9	9	876	1,529,072	6,255,038	12,781
Northeast LInX	26	23	445	12,941,313	15,310,819	441,138
National Capital Region LInX	127	123	9,498	113,746,521	77,664,805	11,369,565
Virginia LInX	212	211	7,171	59,143,246	37,364,243	8,363,542
Carolinas LInX	325	298	2,208	40,627,638	34,658,977	2,207,551
Southeast LInX	79	65	4,779	76,553,989	82,643,009	6,205,703
Gulf Coast LInX	42	34	890	38,867,165	17,357,069	918,100
Rio Grande LInX	40	32	1,561	18,330,595	13,035,263	987,060
Southern California LInX	73	25	3,105	50,197,910	32,395,413	5,740,141
Northwest LInX	308	225	7,633	41,283,490	20,412,839	9,360,219
Hawaii LInX	10	6	216	12,849,845	4,812,878	251,460
Total in LInX	1,251	1,051	38,382	466,070,784	341,910,353	45,857,260
Total in LInX - Sept 2012	941	764	37,348	411,980,584	285,925,929	39,796,852
Total in LInX - Oct 2011	894	705	35,980	352,197,093	223,618,043	35,156,770
% Increase 2011-2013	40%	49%	7%	32%	53%	30%

* Trained Active Users = Non disabled, non deleted user accounts that have logged into LInX at least once.

LINX REGIONS DATA – RECORDS TYPES





LNx REGIONS SUMMARY - USAGE

LNx Region	# Queries Against OWN LNx Region	# Queries Against Other LNx Regions	# Queries Against D-DEx	# Queries Against N-DEx *	# Queries Against DHS ICEPIC	# Queries Against Other Partners **	Total Number of Queries
D-DEx	79,668	809,918		31,556			921,142
Northeast LNx	51,384	30,011	8,248				89,643
National Capital Region LNx	2,540,076	3,219,124	370,936	49,553	95,247		6,274,936
Virginia LNx	1,708,329	1,498,680	353,039	5,399	5,107		3,570,554
Carolinas LNx	147,650	138,678	31,142			82,283	399,753
Southeast LNx	744,927	518,292	66,415				1,329,634
Gulf Coast LNx	135,959	1,075,727	125,030	26,679			1,363,395
Rio Grande LNx	152,270	169,329	16,726			160	338,485
Southern California LNx	391,292	528,989	89,364	28,268	18,916	5,950	1,062,779
Northwest LNx	972,660	454,952	744,389	658,208	16,144	680,681	3,527,034
Hawaii LNx	10,878	193,461	10,122	1,782			216,243
Total Queries - Oct 2013	6,935,093	8,637,161	1,815,411	801,445	135,414	769,074	19,093,598
Total Queries - Oct 2012	3,913,532	5,190,624	1,465,800	884,287	153,553		11,607,796

* OneDOJ was decommissioned on 30 Sept 2012. DOJ data is now available via N-DEx

** CA LNx has San Bernardino CopLink; RG LNx has AZ Mesa CopLink; NC LNx has Charlotte-Mecklinburg Coplink; NW has Alaska Coplink.

NCR-LINX TRAINING

➤ Training Requirements per Governance Board

- After six (6) months of inactivity, the user account becomes deactivated and the user must go back for refresher training.
- Every two (2) years all users must have at least 3 modules of online LInX refresher training or attend an hour of in-class refresher training provided by a certified LInX trainer.
- All NCR-LInX agency trainers are to be re-certified as trainers every two years. This means that any LInX trainer who has not been through the NCR-LInX Train-the-Trainer session in the last two years will need to re-certify.



NCR-LINX TRAINING

- **Train the Trainer**
- **Refresher Training**
- **Online Training Modules**
- **LinX Overview Training for New Recruits**
- **Training at the LE Academies**
- **Online Help**

NCR-LINX MOST NOTABLE SUCCESS STORY

“NCR-LInX was instrumental in the identification, capture, and arrest of the so-called ‘East Coast Rapist.’ Through ongoing efforts, a short list of suspects was generated from NCR-LInX. A detailed tip generated by a public outreach campaign led to the identification of the suspect and to his arrest.

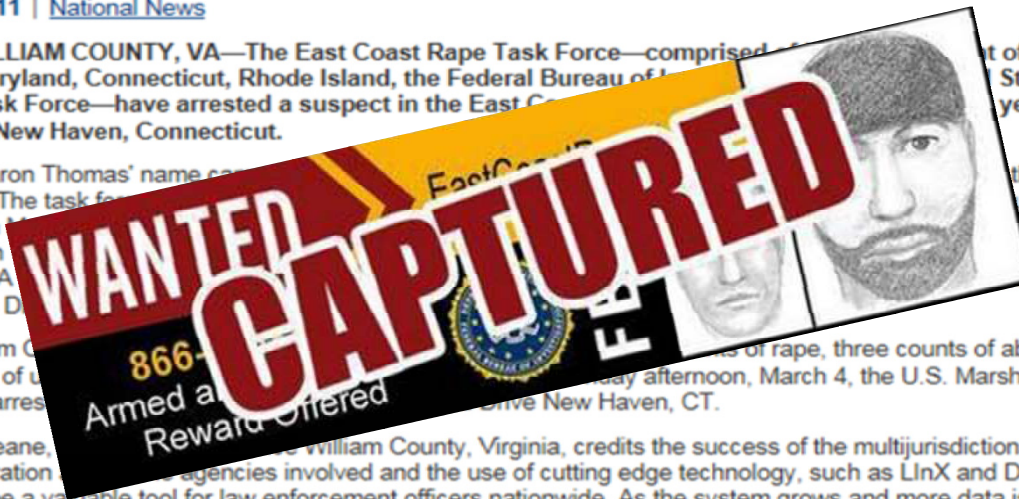
LInX plays major role in apprehension of suspected East Coast Rapist

March 8, 2011 | [National News](#)

PRINCE WILLIAM COUNTY, VA—The East Coast Rape Task Force—comprised of officers from Virginia, Maryland, Connecticut, Rhode Island, the Federal Bureau of Investigation, and the United States Marshals Service—have arrested a suspect in the East Coast Rape Task Force. The suspect, a 31-year-old man, was arrested in New Haven, Connecticut.

Recently, Aaron Thomas' name came up in a search of the East Coast Rape Task Force's database called LInX. The task force was looking for a suspect in the East Coast Rape Task Force corridor from New Haven, Connecticut, saying Aaron Thomas' DNA profile matched the suspect. On Friday morning, the Department of Justice announced the arrest of Aaron Thomas.

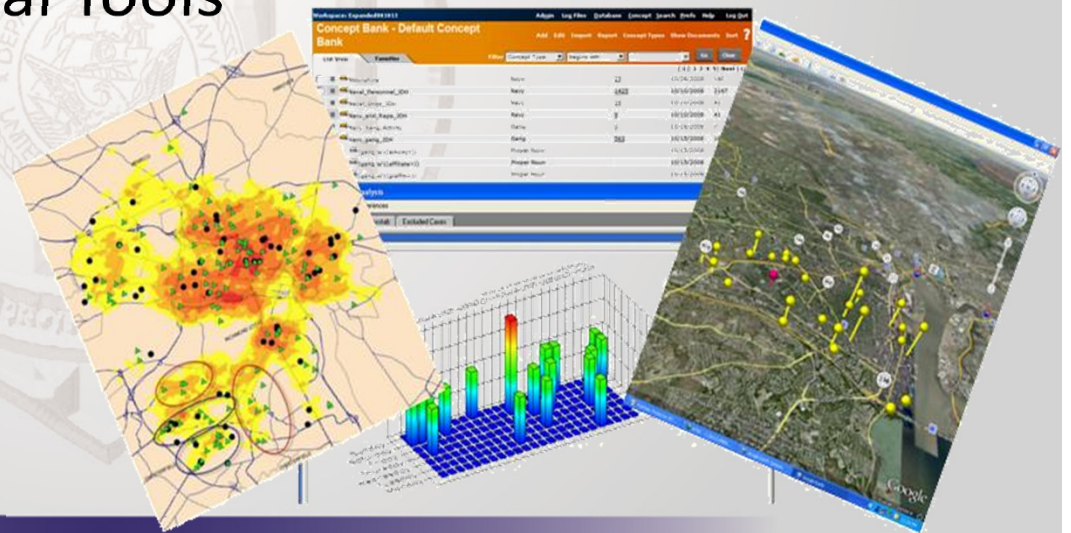
Prince William County, Virginia, credits the success of the multijurisdictional case to the close cooperation of the agencies involved and the use of cutting edge technology, such as LInX and DNA. "LInX will continue to be a valuable tool for law enforcement officers nationwide. As the system grows and more data is entered, it will enhance the ability of law enforcement to rapidly close cases. DNA, of course has proven to be an effective law enforcement tool."



NCR-LINX OTHER PROJECT WORK

➤ Regional Advanced Analytics – Pilot Projects

- Use of NCR-LInX Backup System
- Possible Integration with NCR License Plate Reader Project
- Advanced Analytical Tools
 - ATAC application
 - i2 Notebook
 - GIS solutions





Security Audit Log

This page allows you to query the Security Audit Log.



Security Access Log

This page allows you to query the Security Access Log.



LInX Usage Report

This page allows you to query the LInX Usage Log.



Agency Usage Report

This page allows you to query the Agency Usage Report.



User Usage Report

This page allows you to query the User Usage Report.



Deconfliction Report

This page allows you to discover whether other users are researching similar cases.



Data Recall Report

This page allows you to query the Security Access Log for download info.



- Audit view
- Enhance show agency

- My LInX
 - Change Password
 - Challenge Questions
 - Manage Watch List
 - Set Preferences
 - Neighborhoods
 - User Agreements
 - Download History**
- System Administration
- Security Administration
- Site Configuration
- Data Administration
- Query Tools
- Feedback
- View Reports
- Info Center

Site: ALL

System: ALL

Agency: ALL

Download Date Range: From: 12/04/2013 To: 12/04/2013

Download Name:

Download Type:

Incident Number:

Incident Status:

Clear Search Cancel

<input type="checkbox"/>	Incident #	Incident Type	Incident Date	Incident Site	Incident Agency	Status	Download Name	Download Type	Download Date
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NCR-LINX WEB SERVICES CONNECTIONS

➤ **Connection with CapWIN**

- Ability to Query NCR-LInX simultaneously with VCIN/METERS/WALES/NCIC
- Mobile LInX Capabilities

➤ **Connections with Coplink**

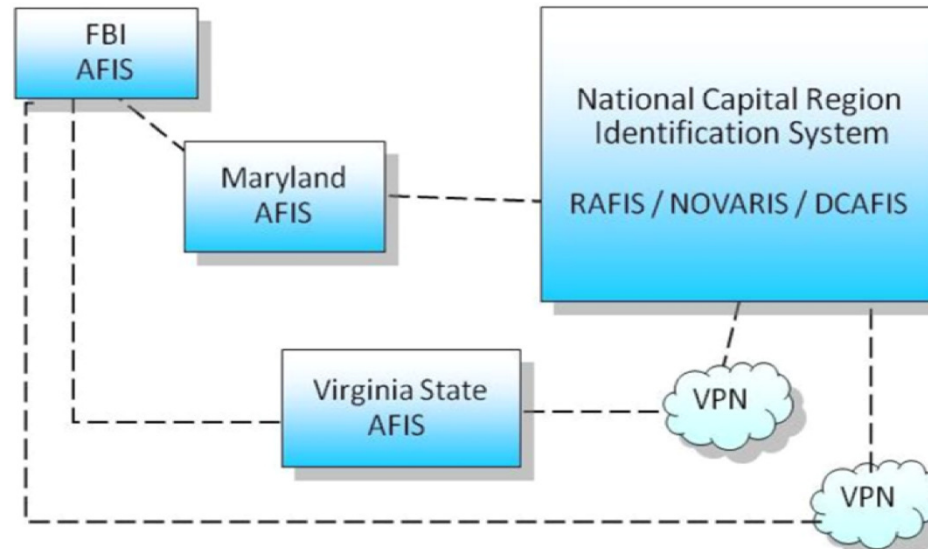
- Several Regions are testing this capability

➤ **Maryland Looking into a Connection**

- With their statewide CAD/RMS system



INTEGRATION WITH REGIONAL MOBILE AFIS



NCR-LINX & NCR-BIOMETRICS

➤ Pilot Project with Motorola DataStrip Devices (2010-2011)

- Officer uses biometric enabled handheld device to capture print and submits search to regional AFIS
- If a hit is generated, authorized NCR-LInX users can initiate LInX Mobile session (browser-based) on handheld device.
- LInX Mobile application parses hit return from AFIS, and performs a name search against the NCR-LInX system
- Led to Development of LInX Handheld Solution



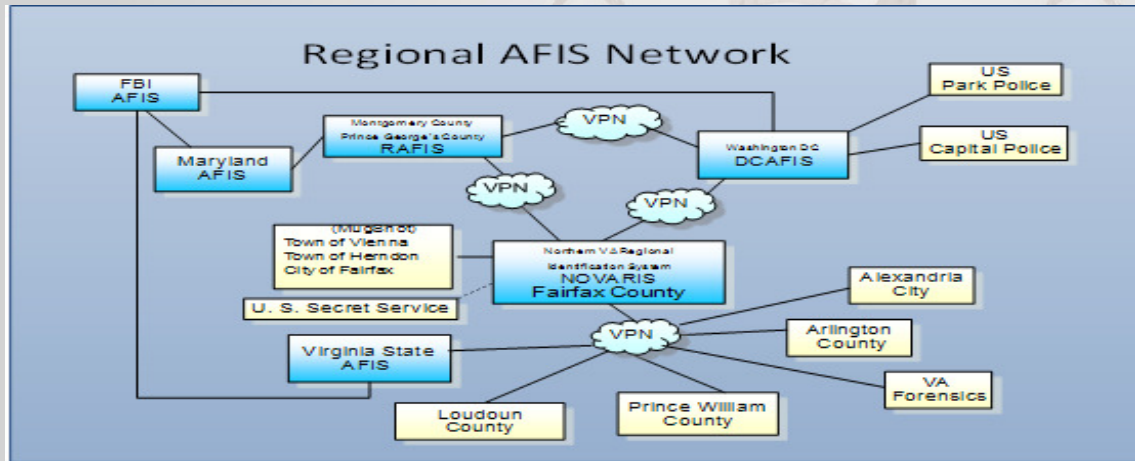
➤ Differences between MorphoDent/Cogent and Datastrip Interfaces to NCR-LInX

- NIST-compliant transaction files used to transfer information with MorphoDent/Cogent. DataStrip devices used custom/one-off format.
- MDTs/Laptops used for display of results, instead of DataStrip device / LInX Mobile application.

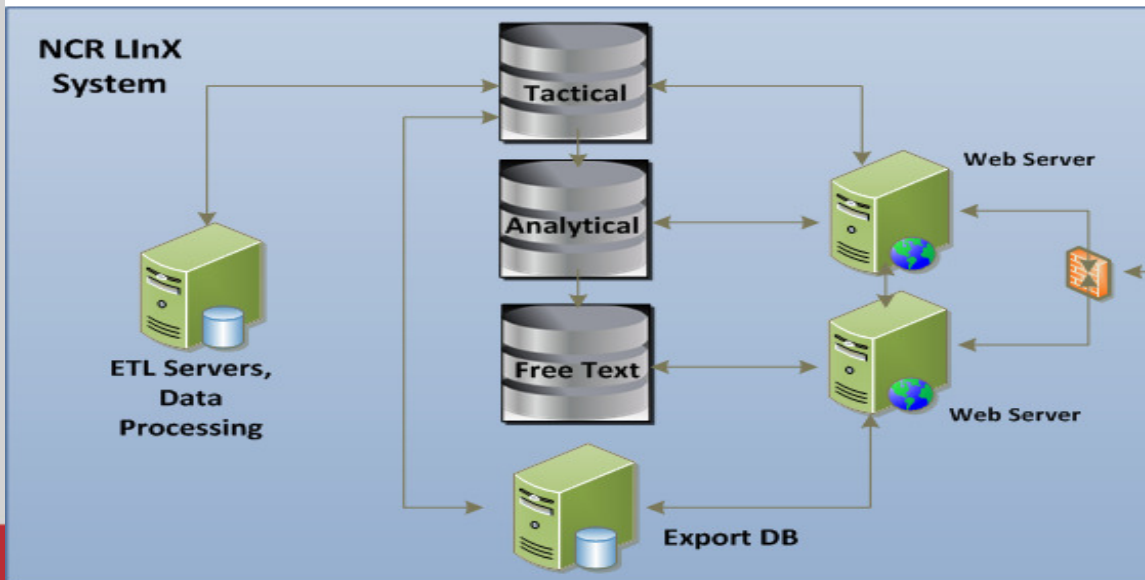




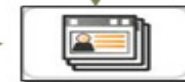
CONNECTIONS WITH NEWER DEVICES



- User initiates biometric search against Regional AFIS Network
- If a hit is returned, demographic information and mugshot provided to officer.
- Officer can then initiate an NCR-LInX mobile session to forward demographic information (name, DOB, AFIS#) for searching
- NCR-LInX information provided via web interface to Officer



HTTPS

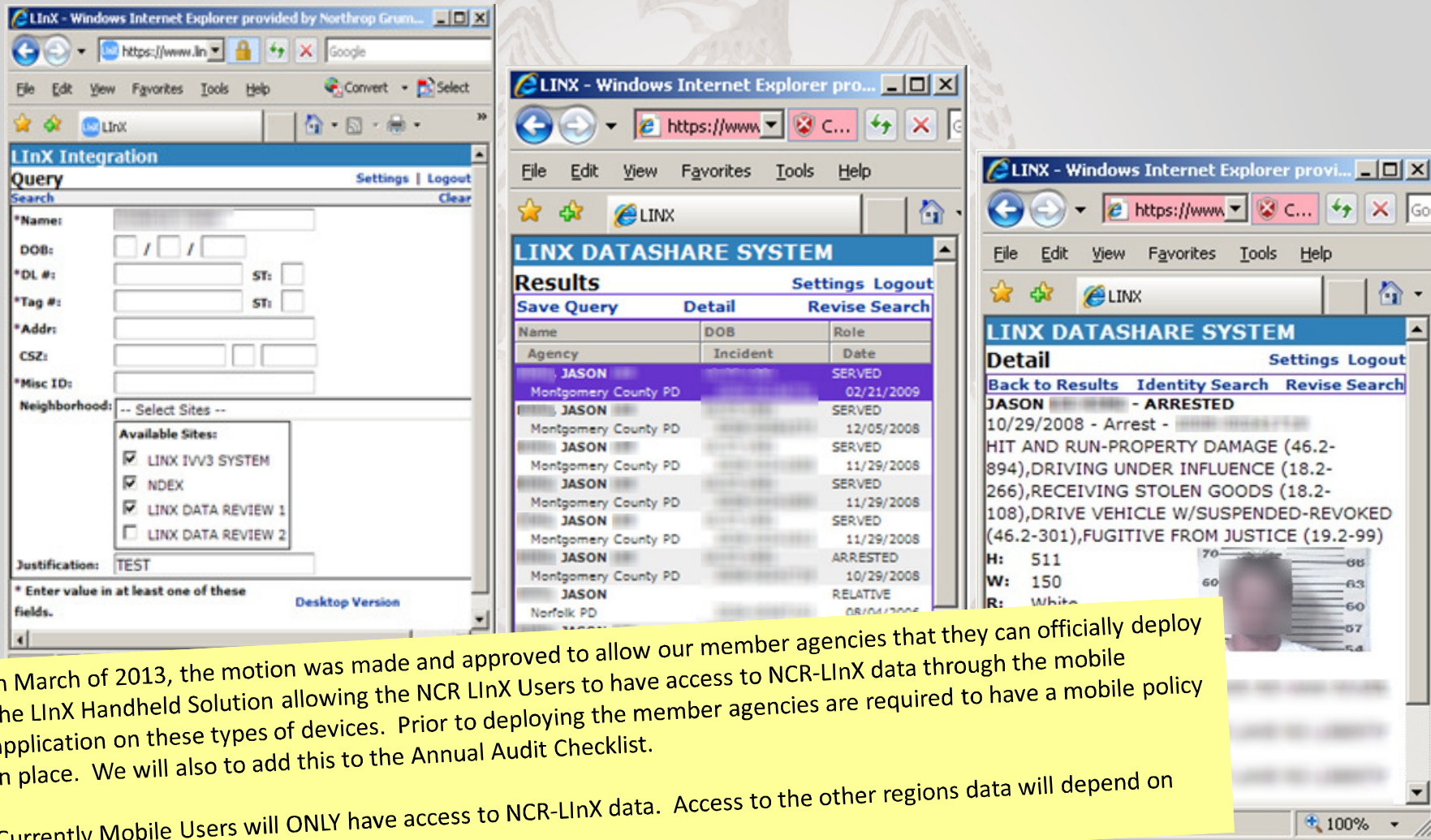


LINX HANDHELDS

- Conducted a security analysis of smart phones used by member agencies identified through the survey (Android, iPhone, iPad)
- Identified and completed the security upgrades for the LInX application on handheld
- Presented findings to the NCR-LInX Governance Board and provided recommendations on options for moving forward with LInX on handhelds.

 LINX IVV3 SYSTEM, NDEX, LINX DATA REVIEW 1, and LINX DATA REVIEW 2. A 'Justification:' field contains 'TEST'. At the bottom, there is a note: '* Enter value in at least one of these fields.' and a 'Desktop Version' link. The browser status bar shows 'Internet' and '100%' zoom." data-bbox="554 300 914 877"/>

LINX HANDHELD SOLUTION



The screenshots show the LINX web application interface on a handheld device. The first screenshot displays a query form with fields for Name, DOB, DL #, Tag #, Addr, CSZ, Misc ID, and Neighborhood. The second screenshot shows a table of results for a search query, listing Name, Agency, Incident, and Date. The third screenshot shows a detailed view of a specific incident, including the name JASON, the date 10/29/2008, and a list of charges such as ARRESTED, HIT AND RUN-PROPERTY DAMAGE, DRIVING UNDER INFLUENCE, RECEIVING STOLEN GOODS, DRIVE VEHICLE W/SUSPENDED-REVOKED, and FUGITIVE FROM JUSTICE. A small photo of a person is visible in the bottom right corner of the third screenshot.

In March of 2013, the motion was made and approved to allow our member agencies that they can officially deploy the LINX Handheld Solution allowing the NCR LINX Users to have access to NCR-LINX data through the mobile application on these types of devices. Prior to deploying the member agencies are required to have a mobile policy in place. We will also add this to the Annual Audit Checklist.

Currently Mobile Users will ONLY have access to NCR-LINX data. Access to the other regions data will depend on their Governance Board approvals.



N-DEX & LInX



- LInX is a valuable information sharing partner for N-DEX
 - LInX provides CJAs additional rich data sets not previously available to them.
 - LInX/ N-DEX users benefit from increased collaboration.
- Full integration with LInX is a top priority for N-DEX.
- LInX staff and Northrop Grumman continue to work closely with N-DEX on outreach, strategies, and training efforts.
- This mutual effort increases public safety, enhances investigations, and improves data standards.
- **CJIS Security – CJIS Compliance Statement for LInX**

LINX AND THE NATIONAL PROGRAM

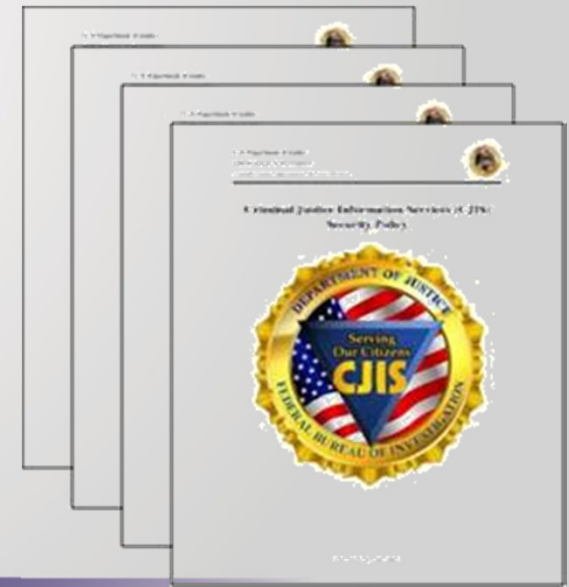
N-DEX

➤ Security Enhancements

- Password rules and a Risked-Based authentication module were added to the LInX authentication process

➤ Enhanced Auditing Capabilities

- Roles added for N-DEX connection
- Capture additional user, device, and platform attributes during the authentication process





Federal Data in N-DEx

➤ FBI Records in N-DEx

- The FD-302s in Sentinel are shared with N-DEx.
- Sentinel sends approximately 9,000 FD-302s weekly.

➤ Other Federal data

- U.S. Bureau of Prisons
- United States Marshals Service
- Department of Homeland Security
- Drug Enforcement Agency
- Bureau of Alcohol, Tobacco, Firearms, & Explosives



LIInX Status



Users

Data



Gulf Coast (Texas) LIInX

Southern California LIInX

D-DEX (Dept of Defense)

Northwest LIInX

National Capital Region LIInX

Hawaii LIInX

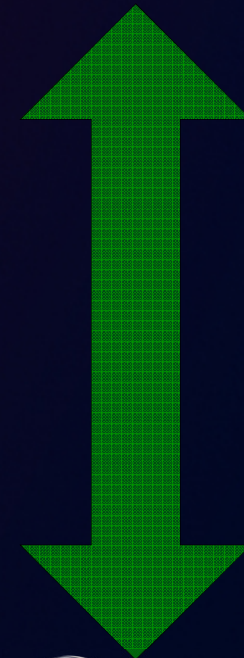
Virginia LIInX

Rio Grande LIInX

Northeast LIInX

Southeast (FL, GA) LIInX

Carolinas LIInX



LIInX



DHS Pass through

- The N-DEX DHS pass-through will enable web service users to search DHS without maintaining their direct connection.
- This effort simplifies connection efforts, with DHS, for agencies.
- An N-DEX build has been deployed that provides external partners the pass through ability to search DHS via webservice.
 - LInX has been a trusted external partner during this endeavor.
- N-DEX has identified issues and will deploy a secondary build. Due to government shut down, this build has been delayed.
- Testing efforts will resume, in partnership, with LInX soon.

LINX/D-DEX/N-DEX COMPOSITE

