Law Enforcement Information Exchange (LInX) Overview & Update

CJIN Governing Board Meeting

Mark Harris / Jim Dundas
LInX Program

November 15, 2012

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

LInX Status

- ## Operational in 11 Regions
  - Department of Defense Information Exchange (NCIS, Air Force OSI, Army CID)
  - LInX Northeast (Connecticut)
  - LInX National Capitol Region (Northern Virginia & Maryland)
  - LInX Virginia (Central & Southern Virginia)
  - LInX North Carolina (North Carolina & South Carolina)
  - LInX Southeast (Northern Florida & Georgia)
  - LInX Gulf Coast (Texas)
  - LInX Rio Grande (New Mexico)
  - LInX Southern California
  - LInX Northwest (Washington, Idaho, Oregon & Alaska)
  - LInX Hawaii (Hawaii, Oahu, Maui, Kauai)

LInX Regions – Map

3
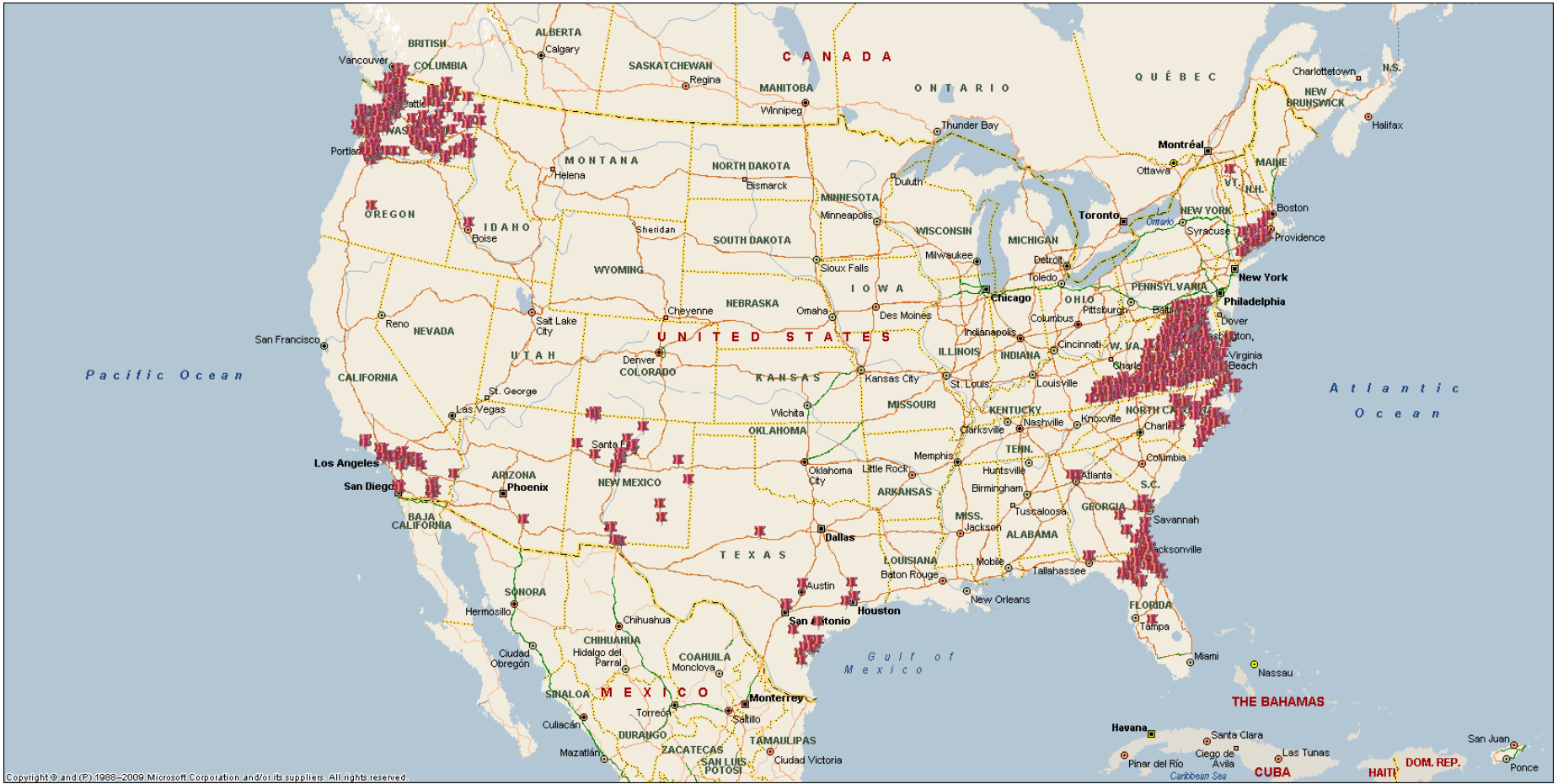
LInX Regions Summary – Data / Users

Region	Agencies in Region	Agencies providing Data	Trained Active Users*	Region Total w/o Narr & Mugs	Narratives	Mugshots
D-DEx	5	3	506	879,171	872,033	
Northeast (NE)	26	23	371	11,864,641	13,274,727	396,958
National Capital Region (NCR)	125	122	9473	99,141,001	69,159,243	9,809,070
Virginia (HR)	201	192	6820	52,457,341	32,394,481	7,273,030
North Carolina (NC)	60	53	1854	27,646,877	21,047,749	1,881,449
Southeast (SE)	79	65	4975	67,855,286	71,385,809	4,449,298
Gulf Coast (GC)	32	24	838	35,855,367	13,955,143	873,881
Rio Grande (RG)	40	32	1510	17,598,717	12,510,953	868,590
Southern California (CA)	57	24	2928	45,901,839	29,087,337	5,300,002
Northwest (NW)	307	220	7501	41,104,400	18,366,013	8,730,098
Hawaii (HI)	9	6	572	11,675,944	3,872,441	214,476
Total in LInX - September 2012	**941**	**764**	**37,348**	**411,980,584**	**285,925,929**	**39,796,852**
Total in LInX - October 2011	894	705	35,980	352,197,093	223,618,043	35,156,770

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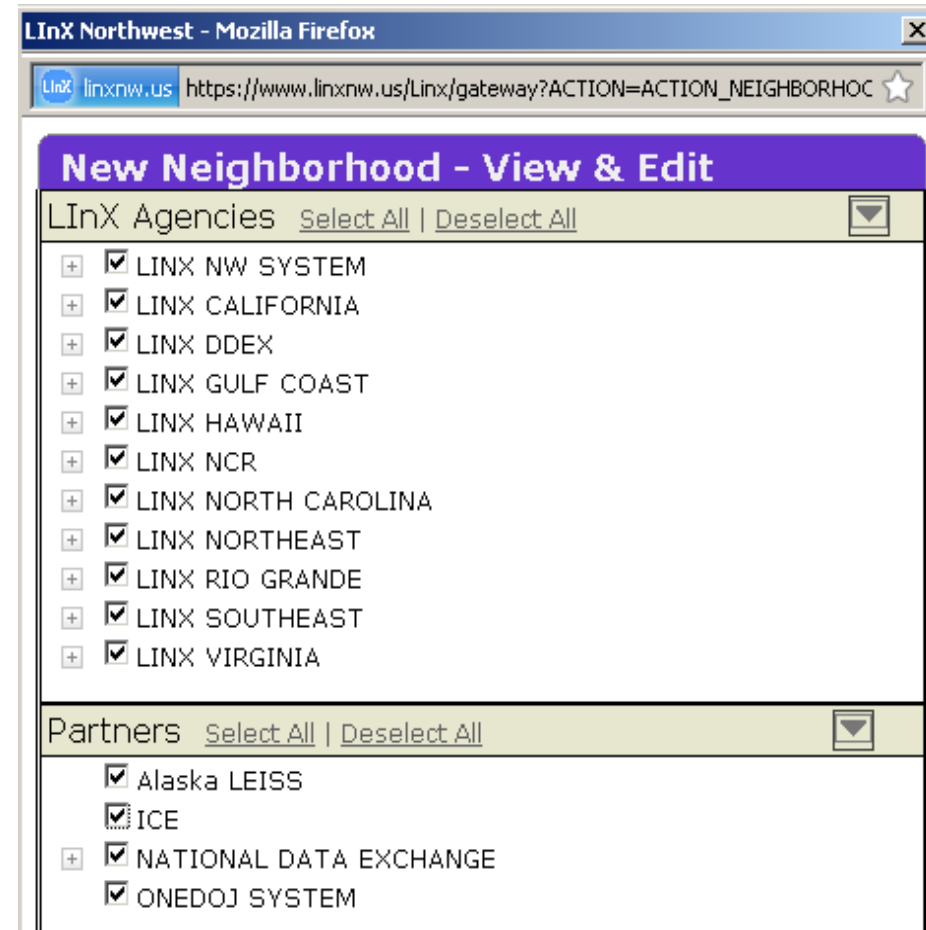
LInX Partner System Integration

- ## Web Services Interfaces
  - Between all LInX Regions
  - National Data Exchange (NDEx)
  - Immigration & Customs Enforcement (ICE)
  - Florida Law Enforcement Information Exchange (FLEX) *pending*
  - IBM I2 Charlotte/Mecklenburg (CHARMEC) Node
  - IBM I2 Alaska (ALEISS) Node
  - IBM I2 Mesa Arizona Node
  - IBM I2 San Bernardino *pending*
  - San Diego *pending*

LInX Partner System Integration

NORTHROP GRUMMAN

- ## LEXS S/R 3.1 Web Services Interface

    - Used for interconnectivity of LInX Regions

        - Subject/Entity Watch across LInX regions

    - One DOJ / N-DEx, DHS ICE

    - IBM I2 Cop Link

        - Alaska (ALEISS)

        - Charlotte/Mecklenburg

        - Mesa, AZ

        - San Bernadino (Pending)

        - San Diego (Pending)

LInX Northwest - Mozilla Firefox

linxnw.us https://www.linxnw.us/Linx/gateway?ACTION=ACTION_NEIGHBORHOC

New Neighborhood – View & Edit

LInX Agencies Select All | Deselect All

- ☑ LINX NW SYSTEM
- ☑ LINX CALIFORNIA
- ☑ LINX DDEX
- ☑ LINX GULF COAST
- ☑ LINX HAWAII
- ☑ LINX NCR
- ☑ LINX NORTH CAROLINA
- ☑ LINX NORTHEAST
- ☑ LINX RIO GRANDE
- ☑ LINX SOUTHEAST
- ☑ LINX VIRGINIA

Partners Select All | Deselect All

- ☑ Alaska LEISS
- ☑ ICE
- ☑ NATIONAL DATA EXCHANGE
- ☑ ONEDOJ SYSTEM

LInX Neighborhood Editor

6

LInX Partner System Integration

NORTHROP GRUMMAN

- ## Export Capability

  - N-DEx Export capability turned on for 3 LInX regions
  - Sends data to N-DEx on behalf of participating LInX agencies

- ## N-DEx Portal Launch

  - Ability for authorized LInX users to launch the N-DEx application directly from LInX

**N-DEx Portal Launch from LInX**

Current Analytical Capabilities

- **Free Text search** – ability to perform text searches of narrative data ingested into the LInX system. Also provides proximity ("bomb" within 2 words of "threat")and thesaurus capabilities.

- **Identity search** – find different representations of the same person using variants of name/dob/identifying numbers.

Identity Search for JOHN MERLE MARTINSON   **Possible Associates of JOHN MERLE MARTINSON**

- **Link Analysis chart viewer** – ability to view structured and unstructured result sets on a Link Chart, walk data to reveal relationships to other entities, and transfer data to Analyst Notebook.

- **Mapping Capabilities** – ability to view LInX Search results on a map, and incorporate additional layers for analysis (critical infrastructure).
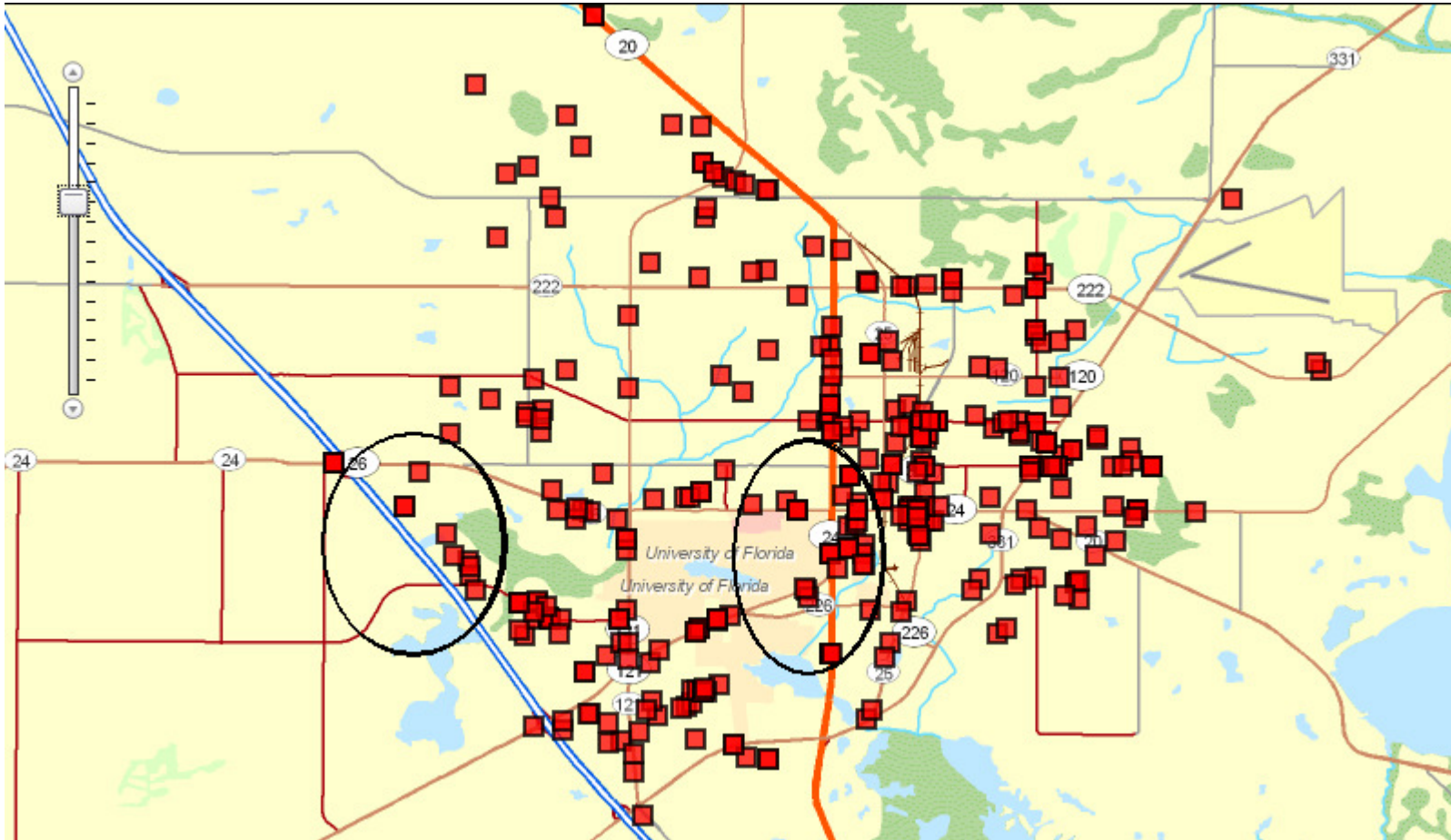
Current Analytical Capabilities – iXv Chart Viewer

NORTHROP GRUMMAN
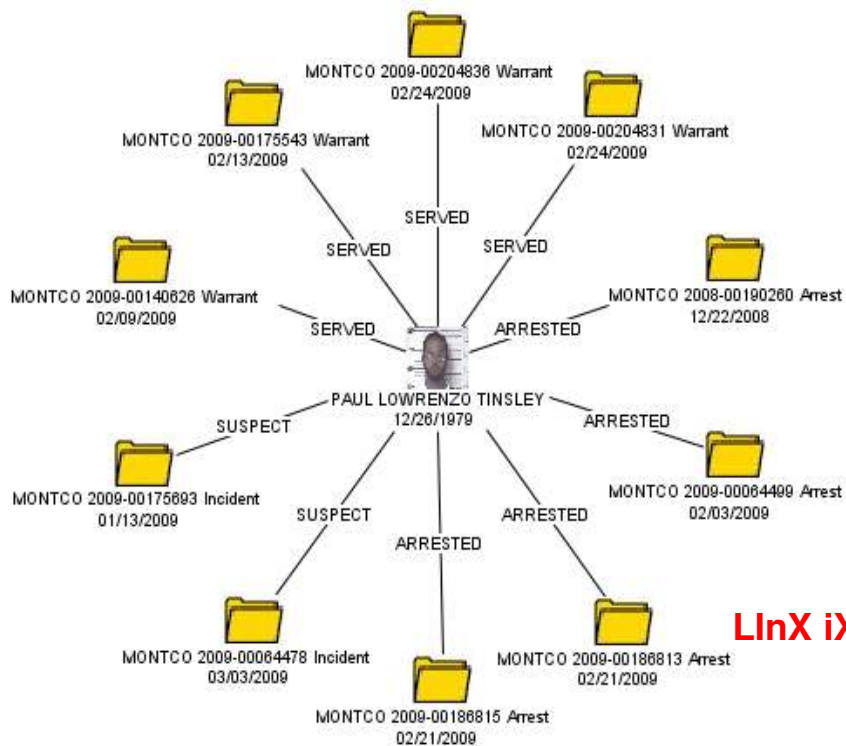
Analyst Notebook
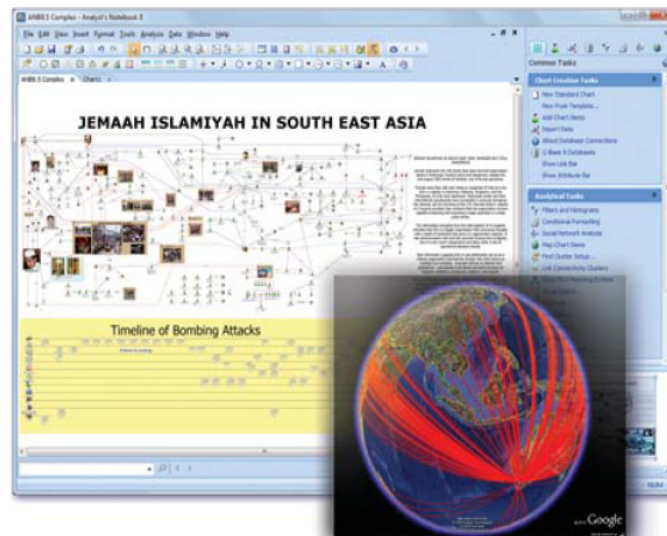
LInX iXv Chart

Current Analytical Capabilities

NORTHROP GRUMMAN

Cross-Jurisdictional Mapping Example

Gainesville, FL PD Incidents 9/16-9/23 2012

LInX Application Enhancements

- ## Application Enhancement Deployments (August 2012)

  - Watch List / Watch List Notification

    - Allows a user to save a "suspect" to the system and then be notified by email when new information on the suspect becomes available

  - Advanced Authentication

    - Risk based authentication based on CJIS approval

  - BAIR Analytics Integration (ATAC Workstation/ATAC RAIDS)

- ## Future Enhancement Deployments (Spring 2013)

  - On Line Security Audit Module

  - Interactive "Rap Sheet"

  - Mobile Interface Enhancements

- ## Internal & Customer Research & Development

  - Facial Recognition, Mobile AFIS, License Plate Reader, Mobile platforms

LInX North Carolina Expansion

- ## South Carolina SLED

  - Contract in process for the integration of Records Management System Incident Reports for 256 South Carolina agencies that will be shared with North Carolina Law Enforcement comprising 26 Million records

- ## New LInX North Carolina Agencies *(Identifying Funding)*

  - *Greensboro PD*

  - High Point PD

  - Buncombe CO SO (includes Ashville PD & Woodfin PD)

  - Winston-Salem PD (includes Forsyth Co SO)

  - Rocky Mount PD

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

Law Enforcement Information Exchange (LInX) CJIS Compliancy

CJIN Governing Board Meeting

Mark Harris / Jim Dundas

LInX Program

November 15, 2012

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

LInX Advanced Authentication

- LInX Release 4.2 contained security enhancements to comply with CJIS Security Policy (CSP) 5.0
    - Deployed to all production sites in August, 2012
    - Contains a risk-based authentication module that requires users to provide a 2nd factor of authentication if a variance in usage pattern is detected
    - Risk-based authentication design vetted through CJIS ISO
    - Additional enhancements for CSP 5.0 compliance
        - Password re-use (was 6, is now 10)
        - # of failed logins that will lock a user account (is now 5)

LInX Advanced Authentication

- LInX v4.2 also included the creation of a CJIS Administrator Role

- LInX user access to N-DEx is controlled by 2 user-level privileges that both default to enabled if N-DEx access is turned on for that LInX region
  - 1 that the LInX agency administrator can set/unset
  - 1 that the CJIS administrator can set/unset
  - LInX user must have both privileges set for N-DEx access

- Successfully completed audits in the following regions:
  - LInX Northwest – FBI Audit
  - LInX Southeast – State of Florida CSO Audit

LInX / N-DEx Integration Status

- LEXS S/R Web Service and Portal Launch enabled in 3 regions (SoCal, Northwest, DDEx)

- N-DEx Export Activated in 3 regions (SoCal, Northwest, Virginia)

- Gulf Coast BOG has signed the N-DEx MOU, activation in process