



Law Enforcement Information Exchange (LinX)

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Why Share Information?



*** S N I P E R S ***

“Colonial Parkway Serial Killer”

“Area Sees Increase in Gang Activity”



“Serial Rapist Attacks Again!”

LinX

The Law Enforcement Information Exchange (LinX) is an advanced information sharing system conceived, funded and built by the United States Naval Criminal Investigative Service in 2003, but the system is not owned or controlled by NCIS



LInX

- LInX is a product built from scratch *by law enforcement for law enforcement*; it's not "off the shelf"
- LInX is populated with law enforcement data only; it's *NOT* an intelligence system
- LInX is a time tested system that has expanded over the years not in just the number of agencies that are members but also through advances in technology such as; advanced analytics, biometrics, statewide second hand property data, License Plate Reader capabilities and more.
- LInX is for official law enforcement use only
- LInX is a real time crime solving tool that is helping to solve crimes in NC and across the country



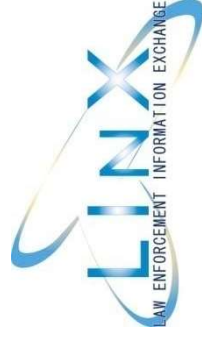
LinX

- LinX electronically “connects” with member agencies’ existing records management systems and/or investigative databases – then...
- **Automatically** encrypts, transports, normalizes, indexes, then consolidates agencies’ data on a **nightly** basis into a data warehouse – then...
- Allows users to search all agencies’ contributed data with several search & analysis tools –



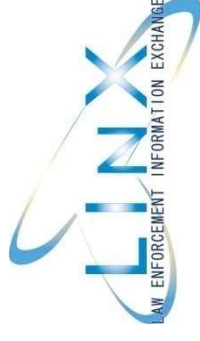
LinX

- Provides all users with **secure & daily access** to many agencies' law enforcement data :
 - Makes that **data available in seconds**
 - **Saves** an extraordinary amount of **time**
 - Generates investigative **leads**
 - Identifies previously unknown **relationships & associates**
 - **Increases officer safety** & situational awareness



LinX

- LinX is **NOT** an original system of records but a **replication** of many original systems of records
- Each law enforcement agency **always owns** and is responsible for its data at all times
- Member agencies **never give up their rights** to their data





Users

Data is accessed by the users from a web browser using SSL either through the Covanet or Internet



Login & password required

256 bit encryption SSL VPN connection

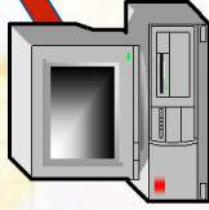
Firewall

Front Porch



1024 bit encryption; server to server authentication

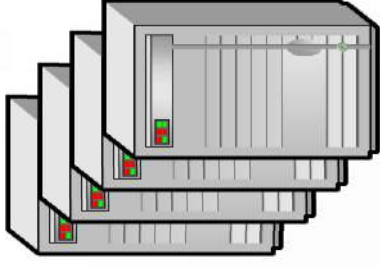
Firewall



Data is *pushed* to the Front Porch then into LInX

Alexandria PD
Alexandria, VA

LInX Data Warehouse



5 Dell Power Edge 6950 + 3 Dell Power Edge 2950 Servers with 2 Hard Drive Arrays, Tape Backups & Applications



Who Controls LInX Carolinas Policies?

- LInX is governed by regional **Boards of Governance** which are comprised of each member agency's CEO
- Each LInX **Board makes the rules**, establishes policies and is responsible for the administration, operation and technical aspects of the system in their region



Types of Data in LInX

Structured Data

- Incidents
- Field interviews
- Arrests
- Outstanding warrants (inc. local)
- Mugshots (statewide)
- Jail booking records
- Traffic crash reports
- Traffic citations data
- Traffic stop data
- Parking ticket data
- Sex Offender Registry
- VA Adult Criminal History
- Pawn/Property data

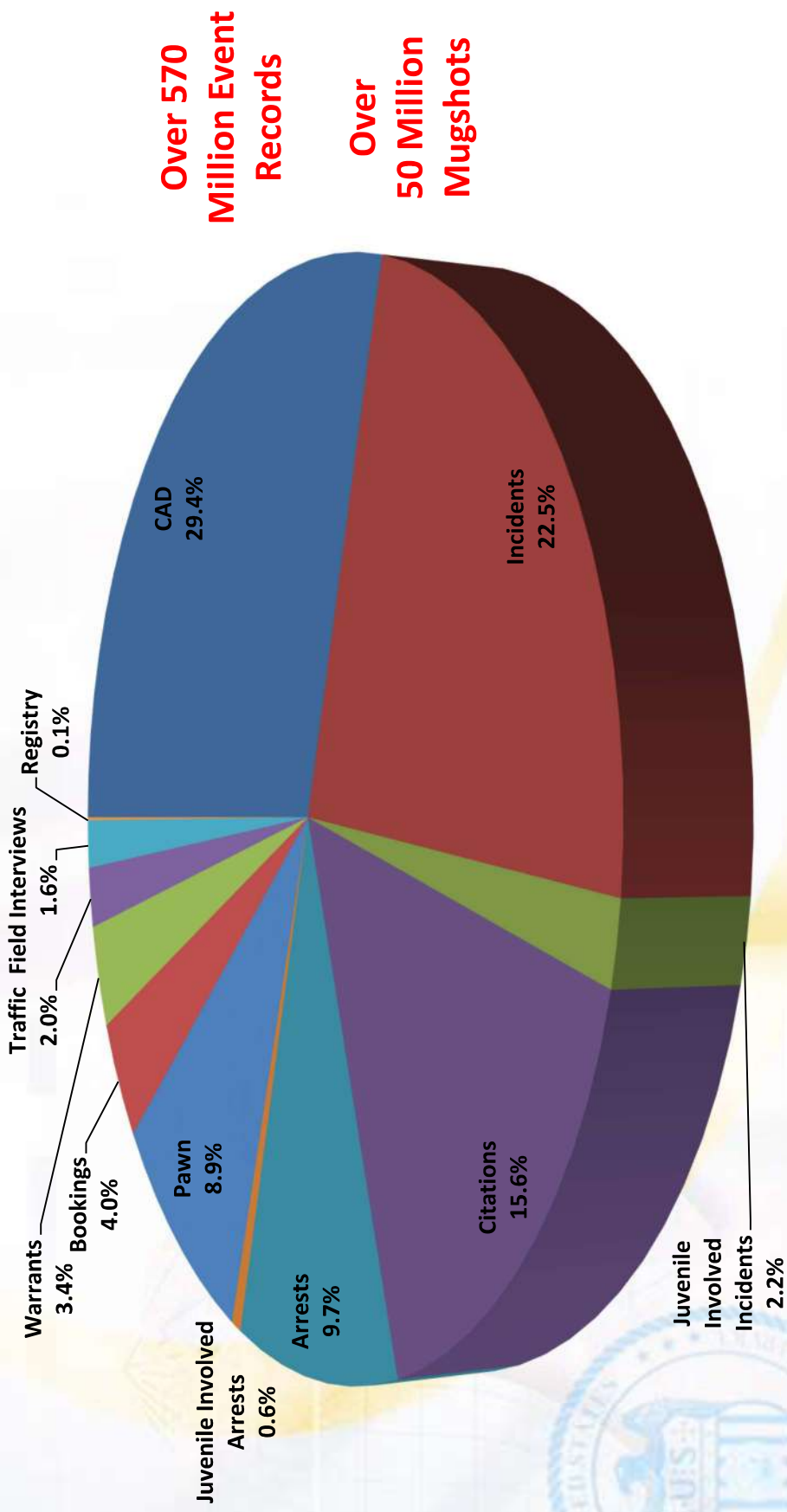
RMS/Investigative

Unstructured Data

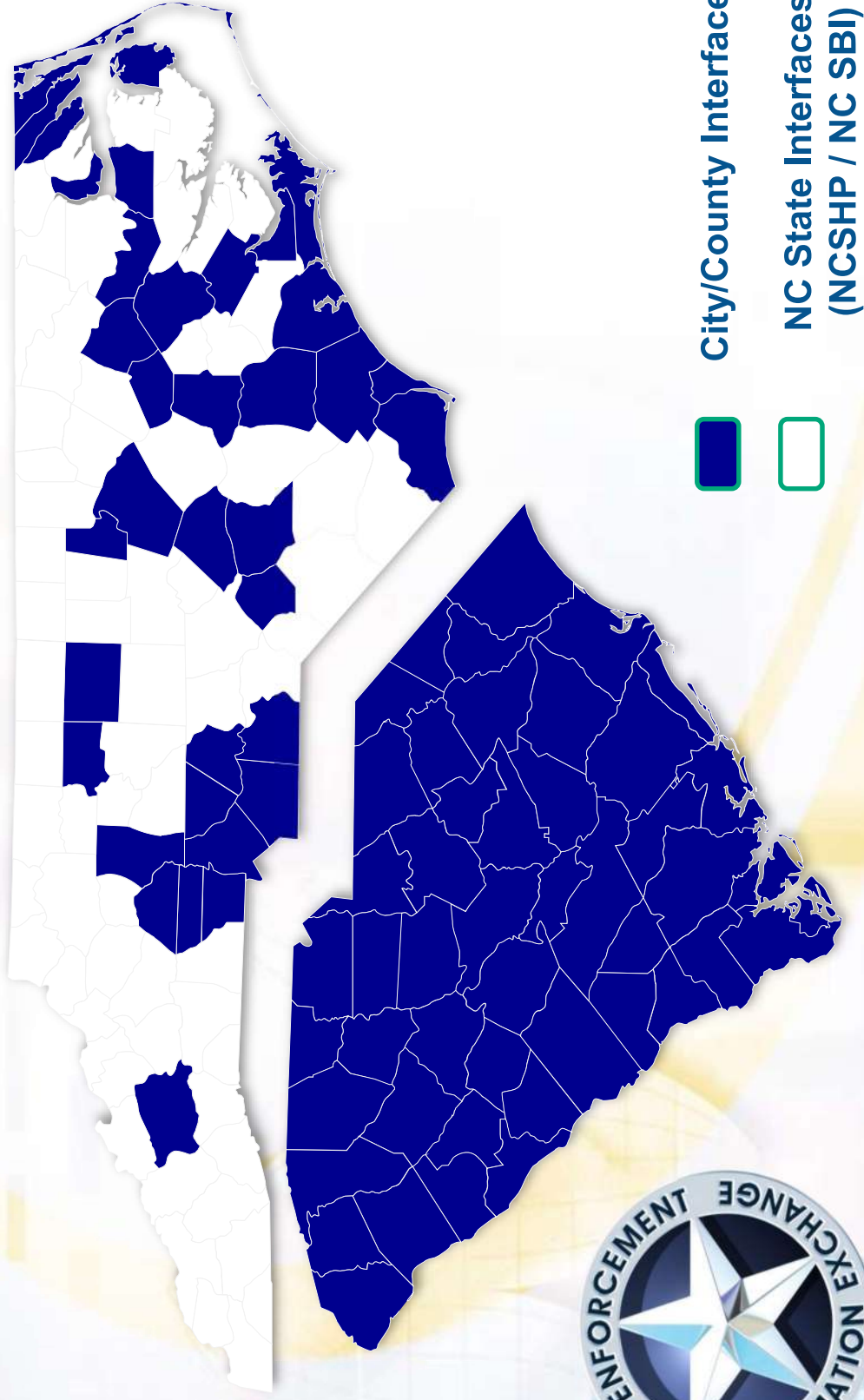
- Incident narratives
- Investigative narratives
- Supplemental reports



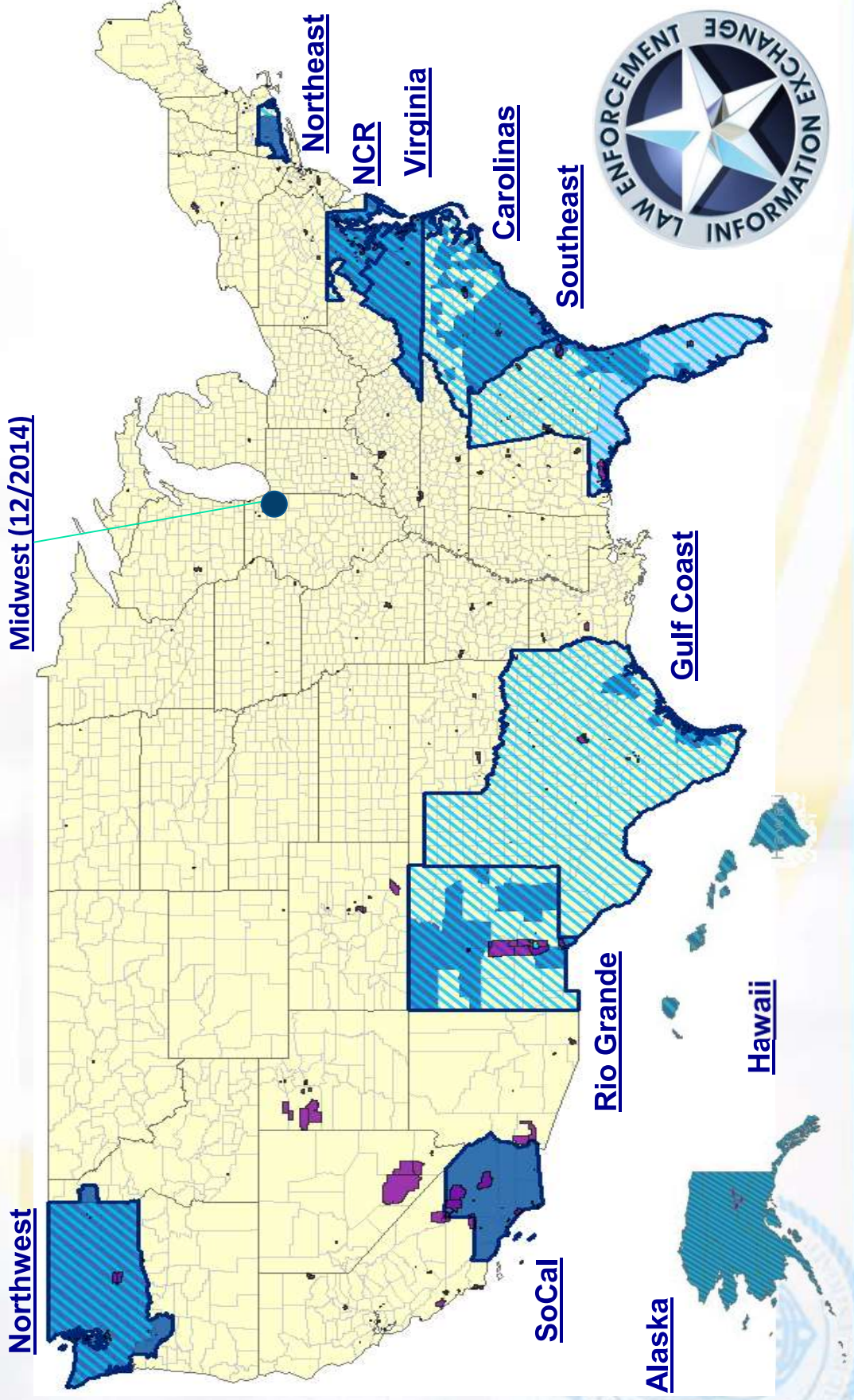
LinX Record Type Percentages



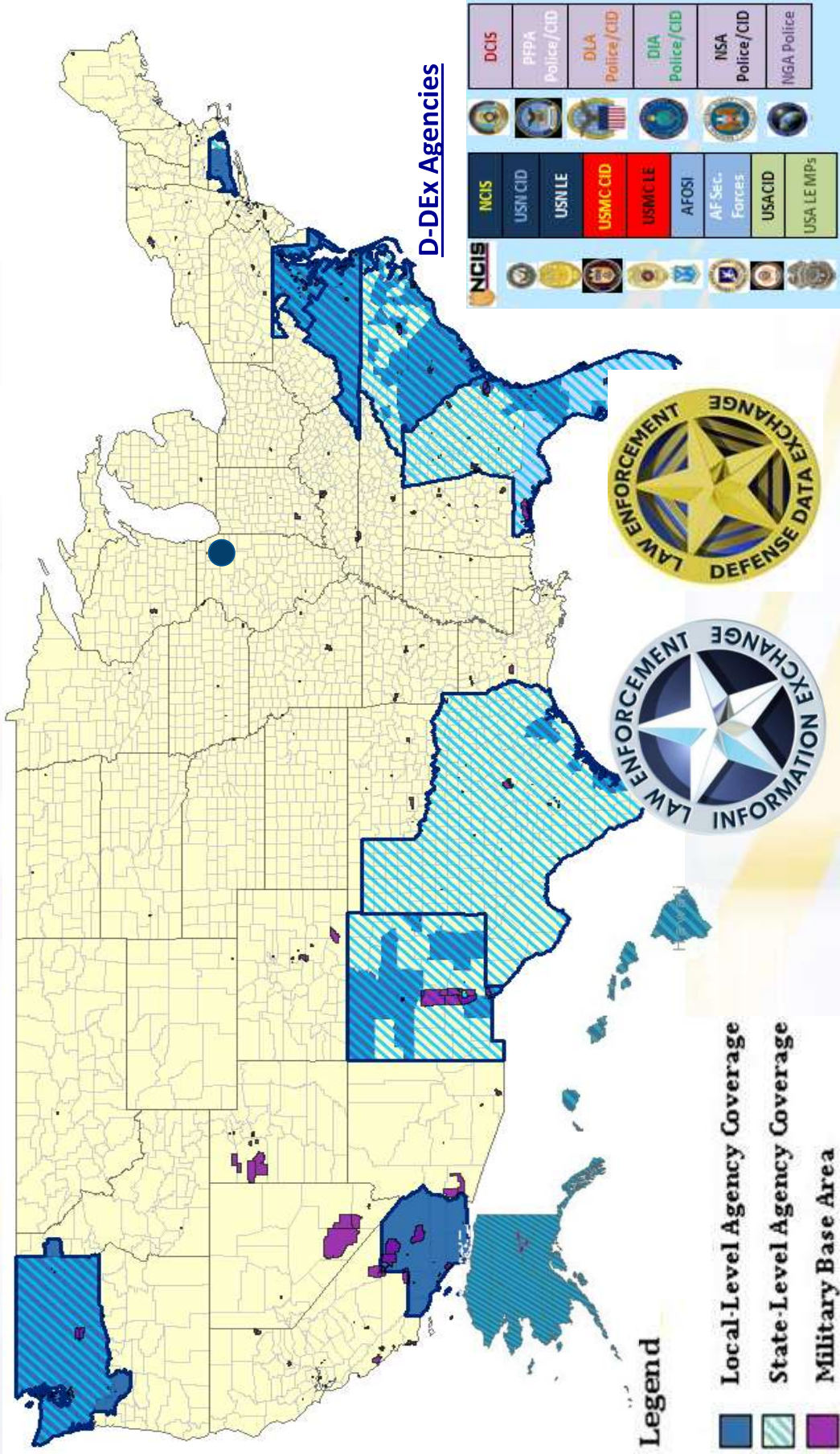
LInX Carolinas Coverage Map



Regional LInX Systems 12/2014

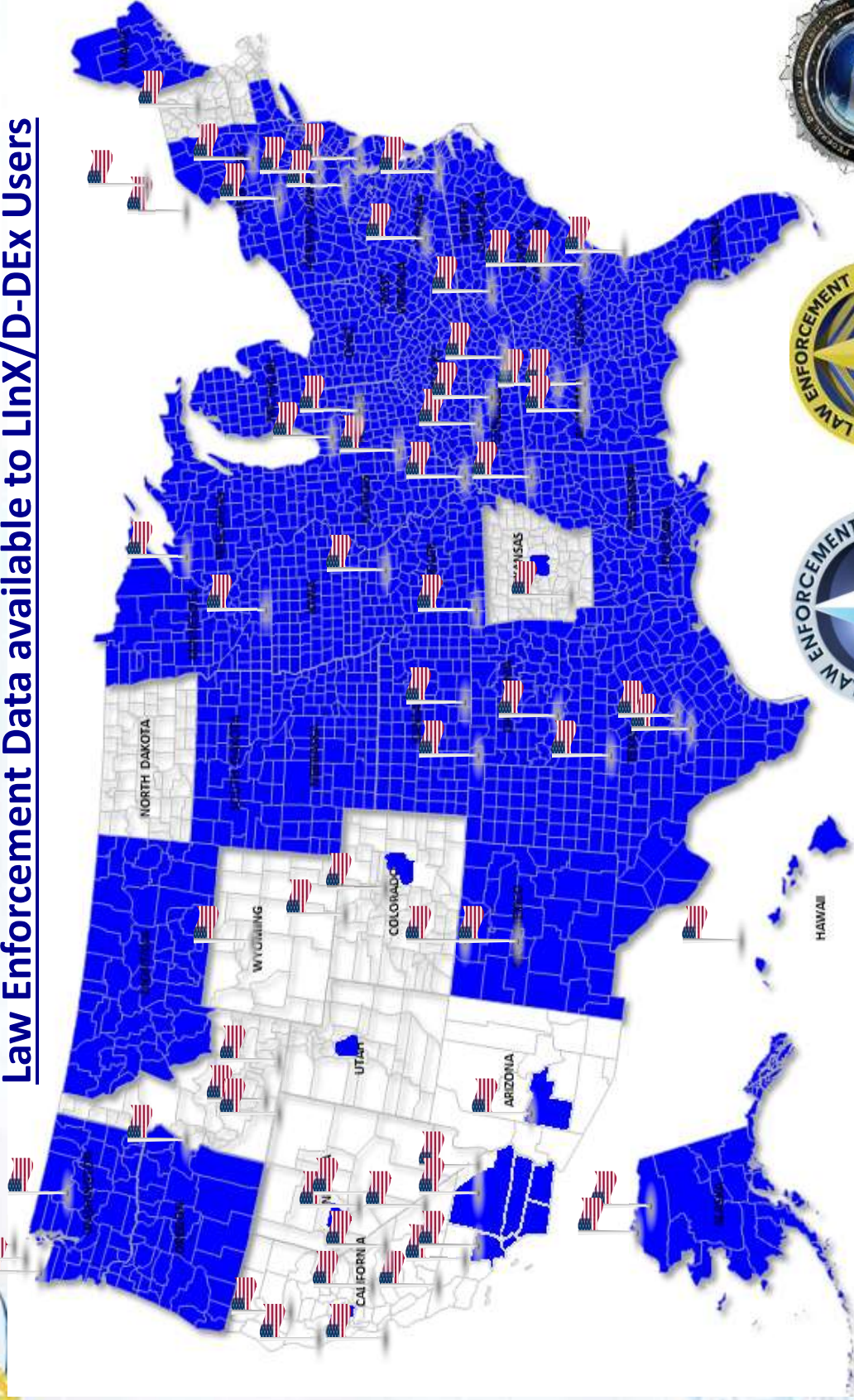


LinX/D-Dex Regional Map 12/2014





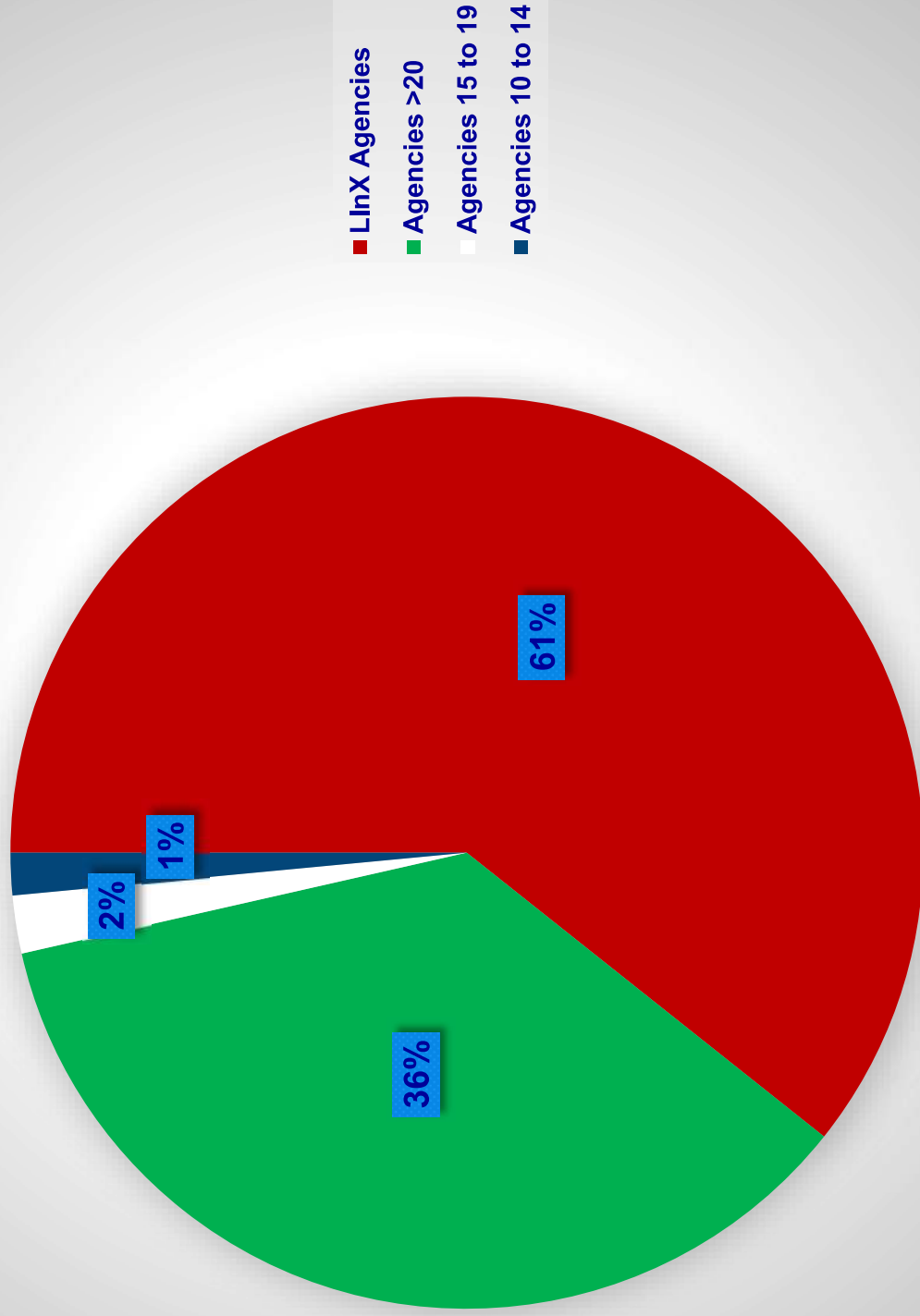
Law Enforcement Data available to LinX/D-DEx Users



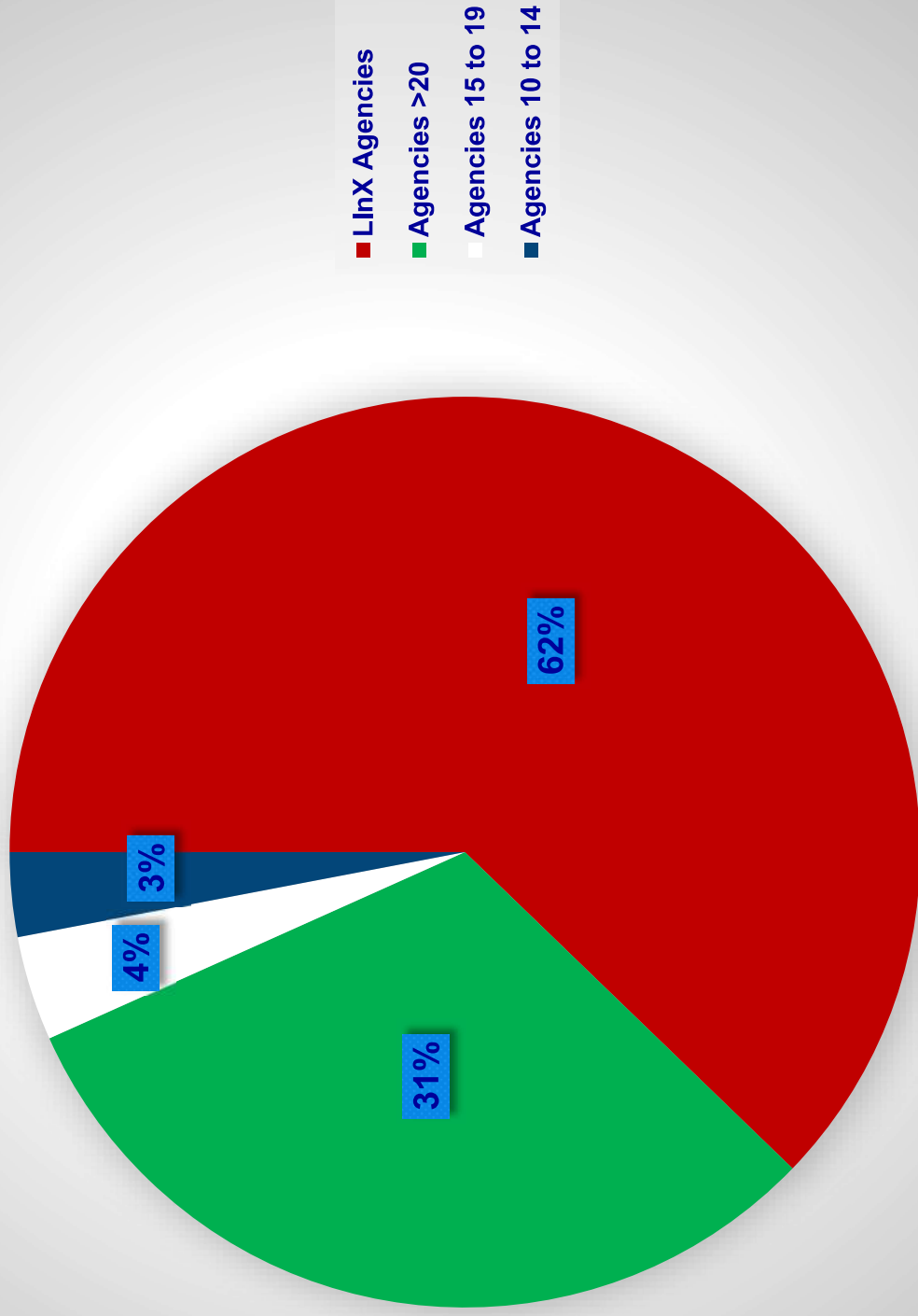
LInX Carolinas

- **Current Status:**
 - **LInX Carolinas currently consists of 74 NC, 210 SC, and 5 Federal member agencies, plus all of D-Dex**
 - **Upon completion of the CRISS project in March or April 2015 LInX Carolinas will host 131 NC agencies serving approximately 62% of NC's population and 61% of her sworn officers**
 - **The Charlotte Regional Information Sharing System (CRISS), formerly COPLINK, switched to LInX effective September 2014. Project started with 49 agencies and has grown to potentially 58. 90% of the project is complete. Project will provide a vast amount of LE data, advanced analytics, LPR capability and Computer Based Training for new users to all LInX agencies throughout all LInX regions**

NCIS-LInX Expansion Based on State Population



NCIS-LInX Expansion Based on Number of Sworn Officers



LInX Carolinas

- Current Status (Continued):
 - LInX Carolinas users now have access to law enforcement records from ~1700 agencies in 11 LInX Regions and DDEX system wide. LInX agencies contribute more than 570 million records and 52 million mug shots
 - From 2007 to-date, the total cost to NC taxpayers for LInX Carolinas, has been **\$113,000**
 - During that time, **100%** of the LInX Carolinas annual operating and maintenance costs have been paid by the Naval Criminal Investigative Service (NCIS). Funding is forecast to continue through 2018. Future funding beyond 2018 is likely. However, all funding projections are subject to future appropriations
 - LInX/D-Dex has been designated as a **Homeland Security Priority** by the Department of Defense

LInX Carolinas

➤ Current Status (Continued):

- There are **no licensing fees** for LInX users. The software is owned by each Region and the contract vendor, NGC, has no property rights to the software
- The growth of LInX Carolinas has always given priority to getting the most for every dollar spent. Special attention has been given to large population centers and agencies with large LE data bases. As a result, LInX Carolinas is able to provide a data base that represent nearly 62% of NC's population while incorporating 31% of her law enforcement agencies

Final Thoughts

1. LInX is an incident based, searchable LE data only warehouse
2. LInX is not a concept or Beta software that needs to be developed, tested and deployed
3. LInX is not a standalone system that will require various interfaces in order to communicate with other systems outside of NC
4. LInX has been operational for 12 Years without incident
5. LInX is a **NO RISK** solution to NC's Statewide LE information sharing needs
6. LInX currently provides access to over 570 million LE records

Final Thoughts

7. LInX currently covers over 60% of NC's population at a cost to NC taxpayer's of only \$113,000
8. LInX has **no licensing fees**
9. LInX annual operating and maintenance costs are **fully funded by NCIS** thru 2018 and likely beyond
10. LInX is designated as a National Security Priority by DOD
11. LInX is a real time crime fighting tool that is solving crimes in NC and across the country right now
12. LInX enjoys the support of Police Chiefs and Sheriffs across NC



QUESTIONS ?

