

International Association of Chiefs of Police
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What does “IT” mean for law enforcement

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Introduction

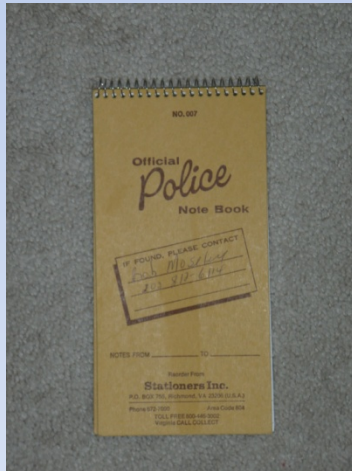
30 years of Law Enforcement “IT” experience
– to share with you in about 10 minutes

- ✓ A quick look back at how LE IT has progressed through the years
- ✓ Share a couple of IT data exchange stories
- ✓ A little bit more on NIEM
- ✓ One slide each on two large scale regional systems sharing data

Then and Now

- A lot has happened over the years.....

Take the police notebook for example

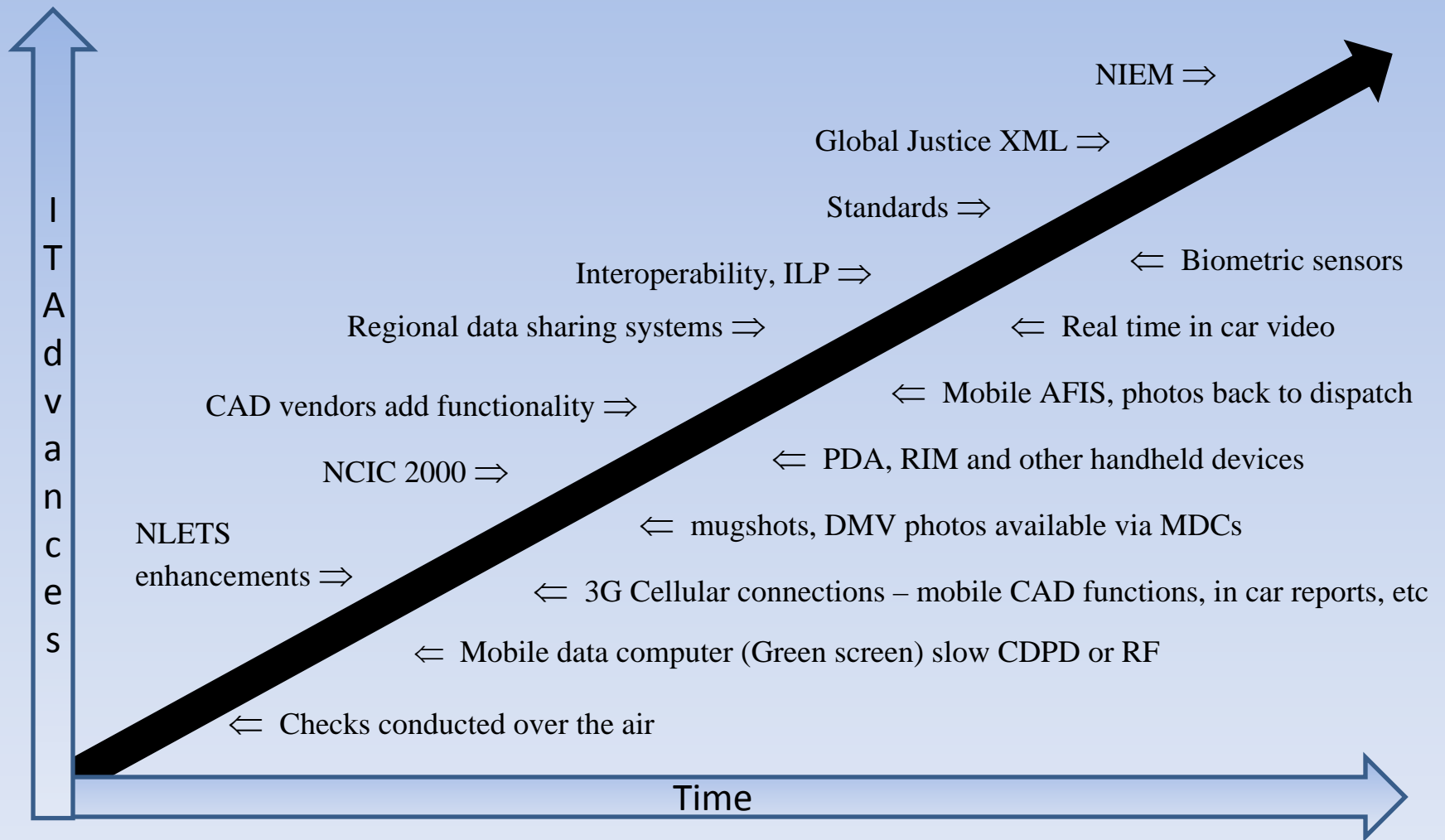


THEN



Now

“IT” Progress through the years



Real world experiences

- A data standard agreed upon terms, definitions and formats
 - Calls for Service (CFS) – what does this mean to you?
 - Number of calls coming into 911 center
 - Number of dispatches
 - Number of units dispatched
 - Christmas Connection file format
 - Mainframe to micro computer data exchange
 - Only used once a year
 - Different format each year – requiring rewriting of import routines
 - Pawn transaction data in ASCII formats
 - By product of Point of Sales (POS)
 - Seven different vendor formats requires seven routines

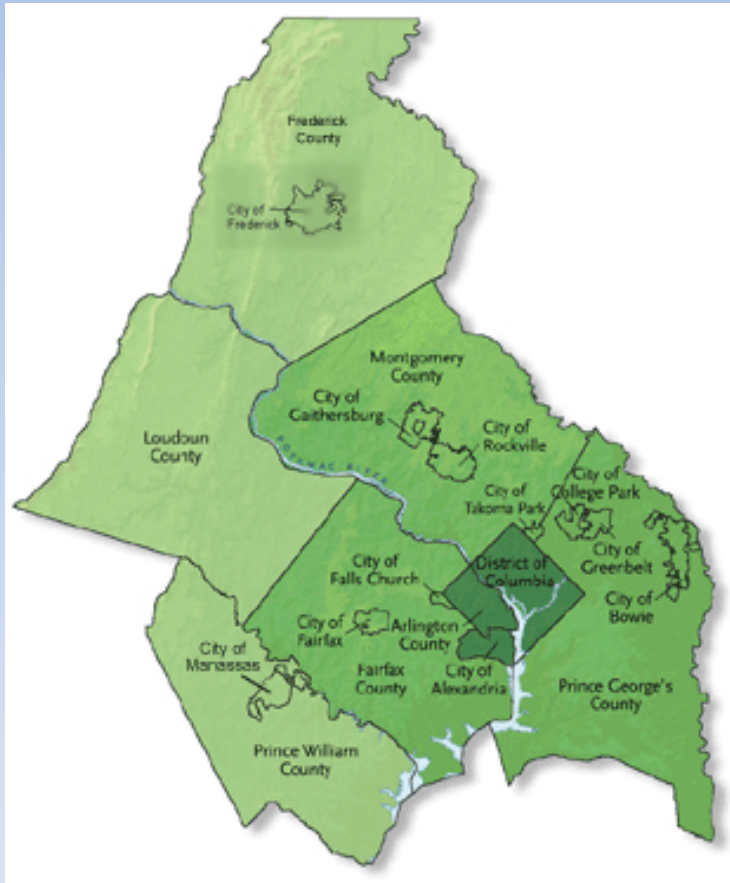
Real world experiences (continued)

- Achieve consensus on content
 - Coded fields (What's a '0310' offense?)
 - DC Code common denominator for courts, correction, police
 - Person name object
 - Must know what the person type is (victim, offender, witness, etc.)
 - Address standardization is particular problem
 - Street abbreviation
 - Apartment numbers
 - Many agencies do not include city in their addresses because all arrests are deemed to occur in their city. This creates a problem when records are shared to neighboring jurisdiction.

What NIEM is

- A structured approach to data interoperability
 - Predefined standard data exchange
 - No more individual designs for each and every data exchange
 - I've personally done hundreds of exchange formats.
 - Sometimes several different formats on the same system for different users
 - NIEM provides a standard exchange method – no need to reinvent each time
 - Once a system is NIEM compliant it has a standardized way to share data
 - Common vocabulary for information exchanges
 - Tested and proven
 - Common exchange standards among disciplines and across disciplines
 - All public safety partners (Federal, state, local, tribal)
 - Police, Fire, EMS

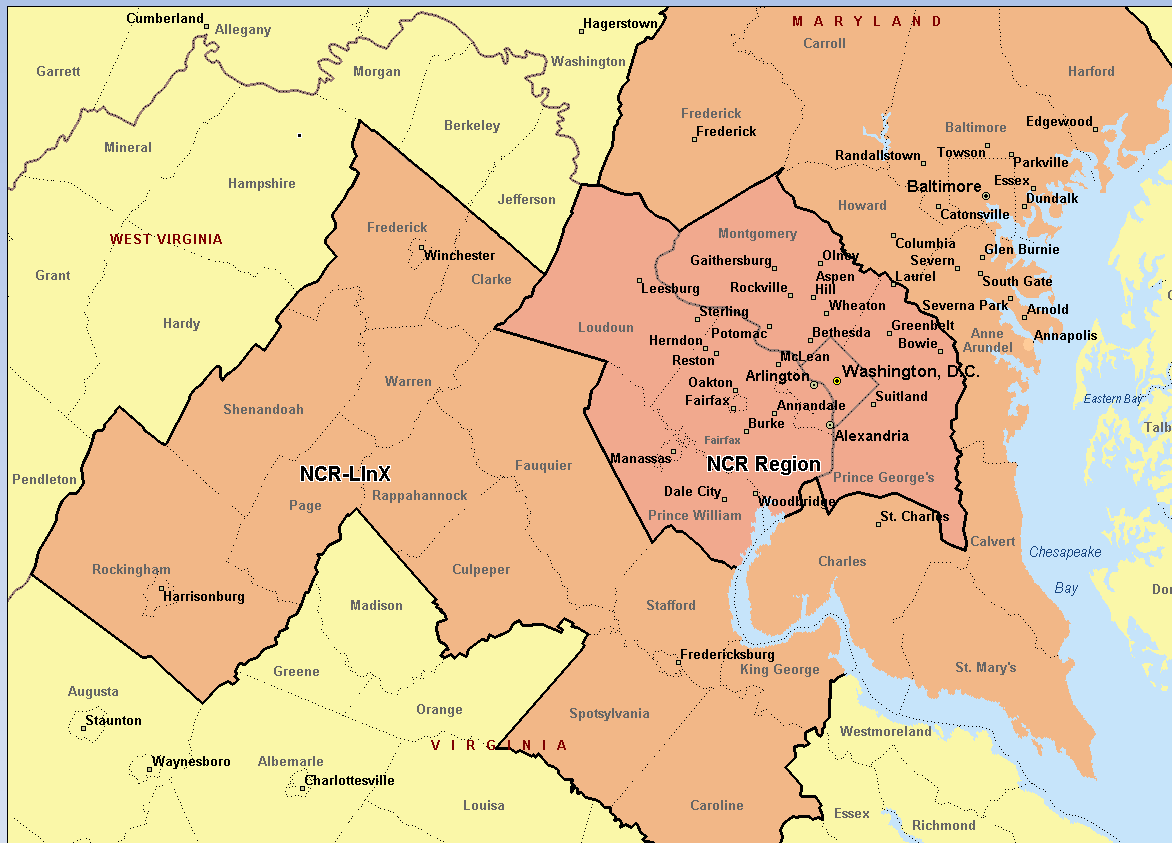
Regional Data Interoperability RPDSS



- 21 Jurisdictions
- 432 pawnshops uploading data
- 1320 arrests first 6 months
- 451 cases that would not have otherwise been solved
- 3 prestigious awards
- Expanding to link to Baltimore RPDSS w/NIEM compliant interface
- Soon to contribute data to LInX

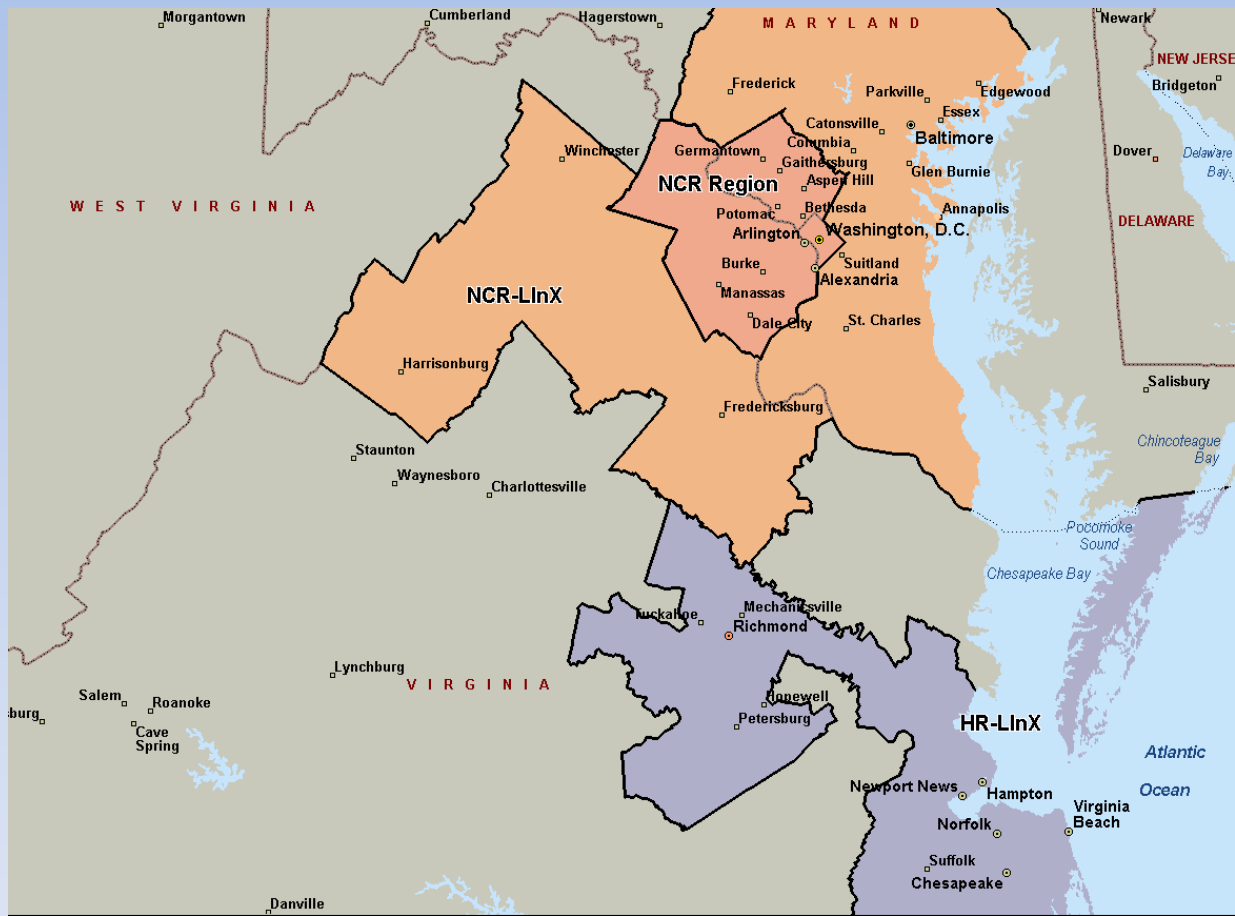
Regional Data Interoperability

NCR-LInX



88 Agencies signed
45 Agencies active
2700 users
2300 queries p/m

Regional Data Interoperability LInX Bonus Project



Combined effort

- NCR UASI
- Norfolk UASI
- Baltimore UASI

NIEM Considerations.....

- You can think of NIEM as a vocabulary (dictionary of words).
- The Information Exchange Package Documentation (assembly of NIEM components) provides order and structure to the vocabulary so that meaningful interagency communications can happen (Arrest, Field Interview, etc). This requires interagency understanding, cooperation, trust, governance, aligned business practices and interoperable communications – all big challenges.
- **NIEM compliance is but one part of the overall information sharing continuum.**

What does “IT” mean for law enforcement?

- Improved officer safety!
- Increased detection of criminal activity and apprehension of offenders