

NG9-1-1 and GIS

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NENA History

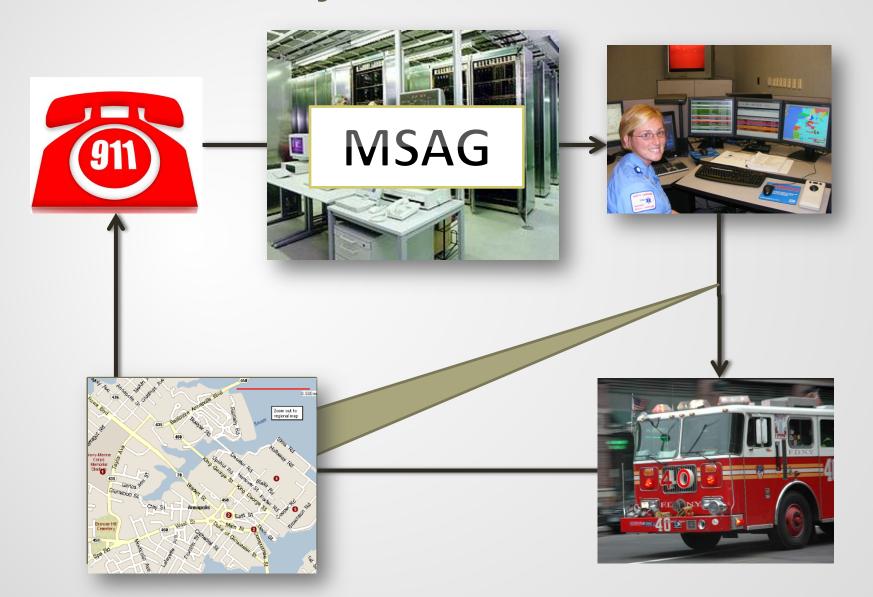
- The only professional organization solely focused on 9-1-1 policy, technology, operations, and education issues
- NENA is the primary standards development organization for NG9-1-1



Why NG9-1-1?

- Transition to IP based delivery system
- Newer Technologies/Services
 - Text, Image, Video, Telematics, Sensors,
 - Subscriber Info, Emergency Location Info
- Need to "Mainstream" 9-1-1 Technology
- Improve Survivability
- Network Resilience, Virtual PSAPs
- Improve Interoperability and Information Sharing

9-1-1 Today



NG9-1-1



Acronyms

- http://www.nena.org/search/all.asp?bst=glossar
 Y
 - Glossary of terms
- MSAG Master Street Address Guide
 - Routing databases for directing 9-1-1 calls to correct PSAP
 - Determines standard response agencies for location

NG9-1-1 and GIS

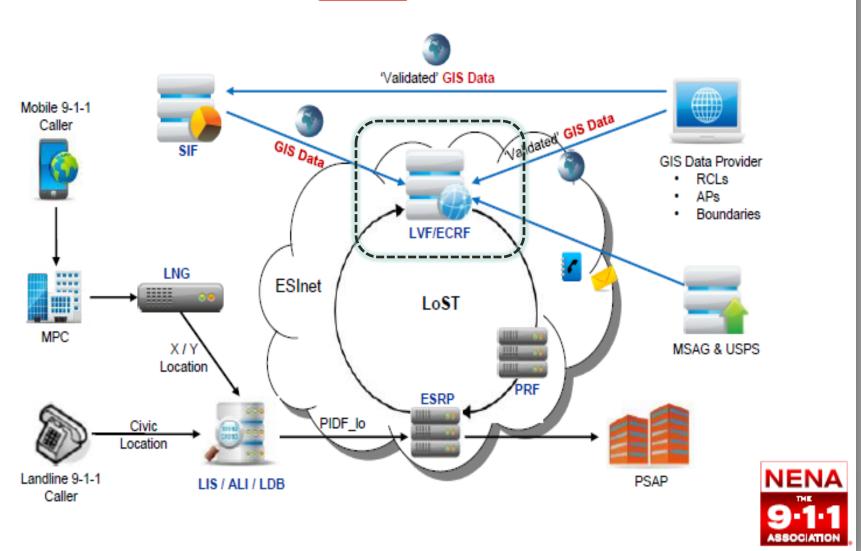
LVF

Location Validation Function

ECRF

Emergency
Call
Routing
Function

GIS Data is the Core of i3



Data Types

Location Data

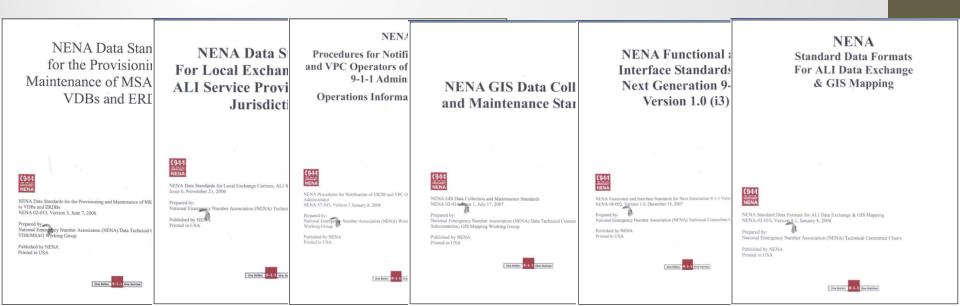
- Address points
- Centerline
- State, County, Muni

Service Boundary

- PSAP
 - Fire
 - Law
- EMS
- Unlimited ...

Data Standards

- Standard for NG9-1-1 GIS Data Model
- Standard for Provisioning and Maintenance of GIS data to ECRF/LVF
- Site Structure Address Point (SSAP)
 Guideline

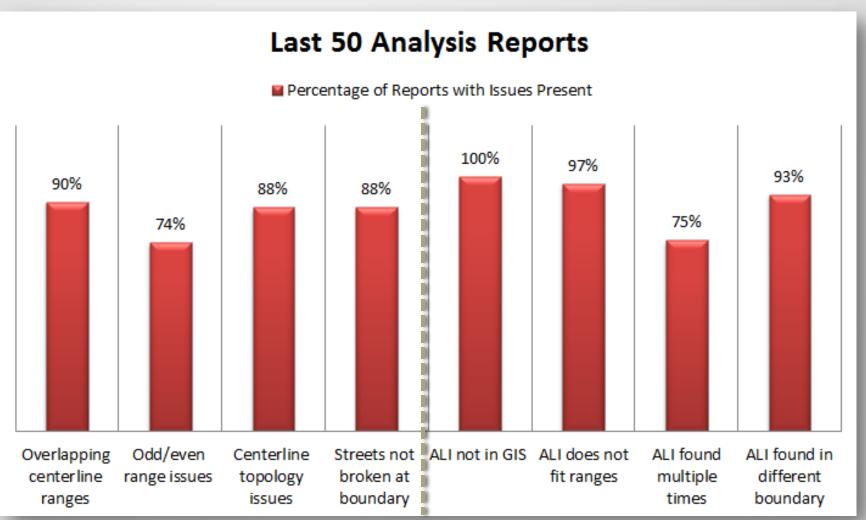


ICE Events



- Industry Collaboration Events
- Call routing and location validation the focus of NENA's ICE 4
- The National Emergency Number Association (NENA) recently brought together twenty-two leading companies in the public safety space for an Industry Collaboration Event (ICE) where participants tested the location-based emergency call routing elements at the core of Next Generation 9-1-1 systems.
 Known as the Location to Service Translation (LoST) hierarchy, this functionality is essential to ensure reliable and predictable emergency call routing and related location validation regardless of the media type (e.g., voice, text) or device used to place a 9-1-1 request for assistance.

Data Quality

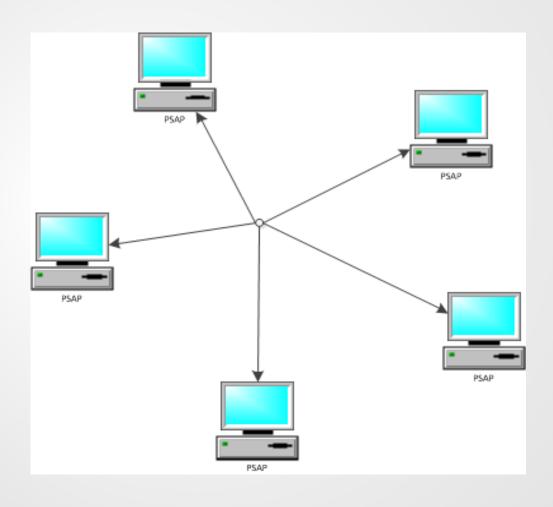


MSAG



- What will happen?
- Confidence in "system"?
- Technologies coming together

Data Sharing



Preparation

 Synchronization tests Quality Standards Data Where Steward How Sharing Provisioning to LVF/ECRF

Communication, Cooperation, Collaboration

URISA/NENA Joint Conference



November 2-6, 2013 | St. Louis, MO St. Louis DoubleTree – Union Station

People judge by three things:

- Did you save my life?
- Did you reduce human suffering?
- Did you protect my property?

Questions?

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