



**MissionCriticalPartners**

Because the Mission Matters

---

## Data Management Operations: A Pathway to NG9-1-1 Success

---

March 28, 2017

## First of four webinars in this series

# Achieving the Vision of Next Generation 9-1-1 Interoperability Webinar Series

Webinar 1: Data Management Options: A Pathway to NG9-1-1 Interoperability

Webinar 2 (4/27): Getting the Most from Your NG9-1-1 Policy Rules

Webinar 3 (5/23): CAD-to-CAD Interoperability Across Jurisdictions

Webinar 4 (6/26): Radio Interoperability and the Role of FirstNet

Register at [missioncriticalpartners.com](https://missioncriticalpartners.com) or via your follow up email.

# Introduction to today's presenter



Robert Horne

Communications Consultant  
Mission Critical Partners

# General housekeeping

All participants are invited to contribute throughout the presentation

Please mute your phone if there is background noise

Webinar recording will be sent via email after today's presentation



# Today's WOW (WalkOutWith)

We will build a roadmap to success with:

- **SOPs:** the benefits of implementing standard operating procedures
- **Data:** best practices for improved data quality control and quality assurance
- **Team:** the critical importance of building a team and knowledge base that is prepared for the next generation of data management challenges.



# W.O.W. 1: SOPs



# Standard Operating Procedures

Consistency of method results in consistency of data

## Creating Local Data

- Assigning addresses
- Road centerlines
- Boundaries

## Aggregating Regional Data

- Snap-to Points
- Adapt/Adopt Schema
- Mutual Aid Agreements



# SOPs: Addressing

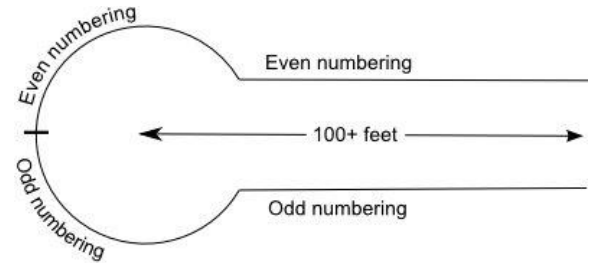
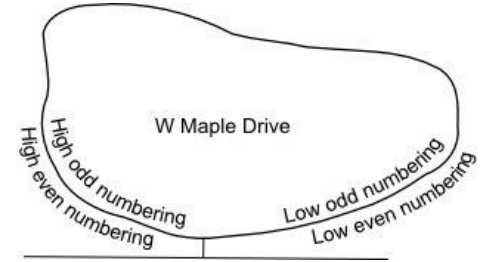
## SOPs for Addressing?

Sec. 4-2-1. - Addressing authority within incorporated city limits.

- (a) City Public Service (CPS) Gas and Electric Utility of \_\_\_\_\_, is hereby designated as the residential addressing authority within the incorporated city limits of the City of \_\_\_\_\_.
- (b) CPS shall issue all new residential address numbers prior to City's recording of the final subdivision plat with County and revise any existing addresses if the need arises. This authority also includes issuing the address numbers for new streets, issuing numbers for private roads or for private roads that become public streets within residentially zoned areas.

# SOPs: Addressing

- Preserve Consistency
  - Staff growth or turnover
  - Between jurisdictions
- Foster Understanding
  - What needs to be done
  - Why it is done this way



## SOPs Could Prevent This:



## SOPs Could Prevent This Too:



# SOPs

Questions, comments or  
concerns?





# W.O.W #2 - Data



# Data: Have a Plan

NG9-1-1 GIS - large scale, multi-jurisdictional, highly accurate GIS implementation

## Creation and Maintenance

- Federated or Centralized
- Identify data stewards
- Establish MOU, MOA, SLA, EIEIO

## Aggregation

- Hosting
- Update schedule
- Access agreements



## CivicLayerDataEXchangeFunction



### Address Data, You Gotta Break it on Down

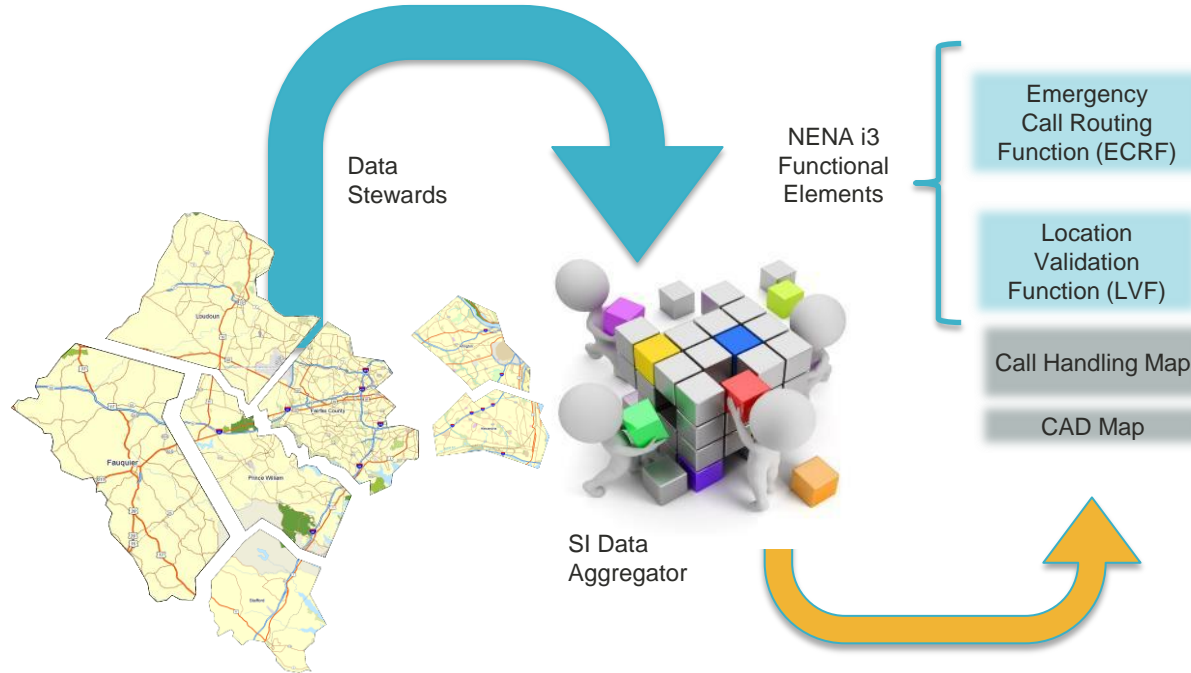
- Street Name Pre Modifier
- Street Name Pre Directional
- Street Name Pre Type
- Street Name
- Street Name Post Type
- Street Name Post Directional
- Street Name Post Modifier

# CivicLayerDataEXchangeFunction

Address Data, You Gotta Break it on Down

PreMod	PreDir	PreTyp	StName	PstTyp	PstDir	PstMod
ALTERNATE		ROUTE	8			
THE			MANOR	LANE		
OLD	NORTH		MAIN	STREET		
			MARKET	STREET	NORTH	EXTENSION

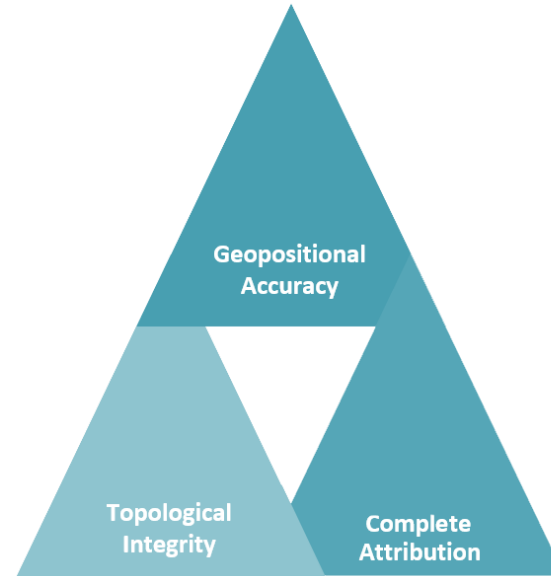
# Data: Compilation and Operationalization



# Data Quality Triangle

NG9-1-1 GIS - large scale, multi-jurisdictional, highly accurate GIS implementation

- Geopositional Accuracy
  - Centerline breaks at Boundaries
  - Boundary edges snap to each other
- Topological Integrity
  - Lines snap to lines
  - Polygons snap closed
  - Vertical addressing stacks
- Complete Attribution
  - CLDXF Standard
  - Data fully parsed



# Data

Questions, comments or  
concerns?



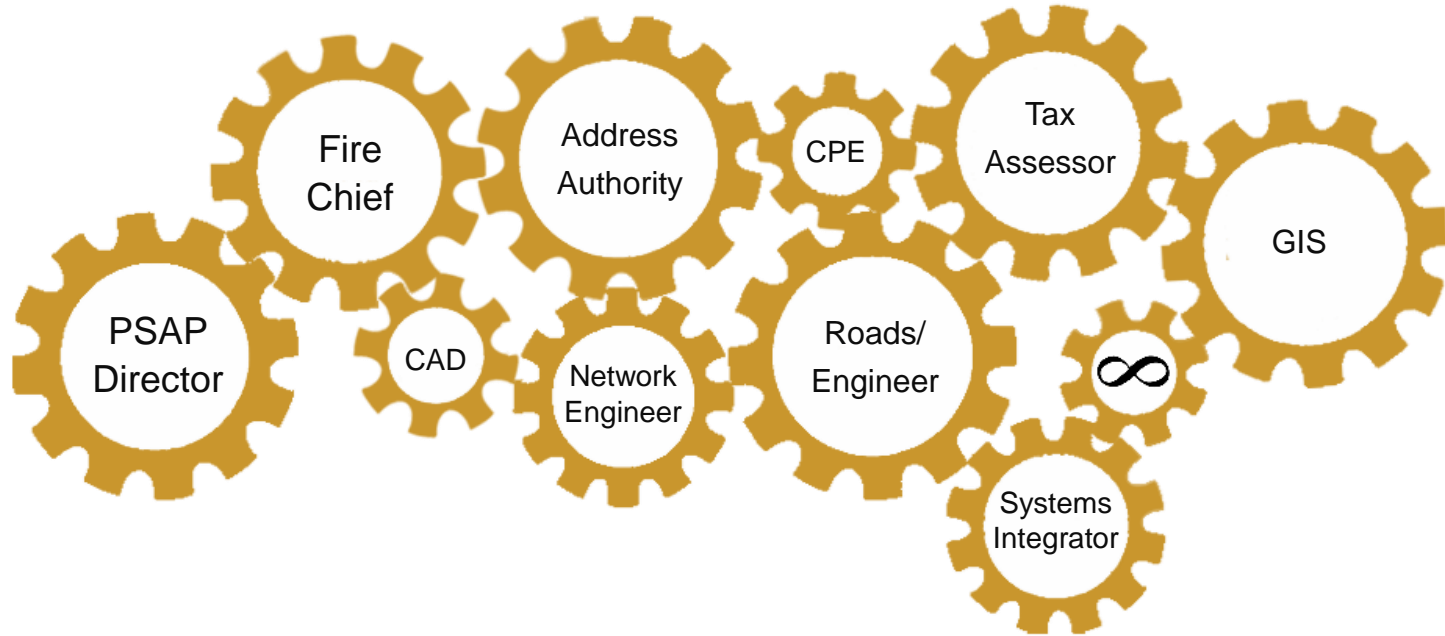


# W.O.W #3 – Know Your Nerds



# Building A Team

It Takes a Village



# Building a Team

Questions, comments or  
concerns?



# Assignments

## PSAP / Public Safety Leadership

- Seek out your GIS, addressing, public safety leaders
- Start planning with your neighbors
- Gather mutual aid agreements



## GIS

- Educate yourself on CLDXF
- Clean up your road centerline file
- Plan for regional data aggregation
- Understand 'public safety grade'



**MissionCriticalPartners**

---

MissionCriticalPartners.com

