



Connecting Information to Your World

# Improving Non-Spatial Address Data

IMAGIN Conference  
May 16, 2016

James Bennett, President

## InfoGeographics, Inc

- Full Service GIS Company
  - Strategic planning and implementation
  - System design, installation, & configuration
  - Training & onsite/remote support
  - ArcGIS Business Partner
    - Geodatabase - enterprise, standalone
    - Web Mapping – many varieties
    - Commercial GIS software – GeoConnector, Address Quality Extension, IGI's Navigator for Geocortex Essentials
  - Data conversion & refinement – GIS, CADD, Analog
  - Geocortex/Latitude Geographics Authorized Implementer

 GeoConnector

 AQE  
ADDRESS QUALITY EXTENSION

 esri Partner Network  
Silver

 Geocortex® | by Latitude Geographics®  
Authorized Implementers

## Address Data

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- 50 Gallon Drum of Worms
- Mutiple sources and needs
- Difficult to reconcile
- Authoritative data is key
- NG911 changing the game



## Ideally



**Automatic Location Identification (ALI)**



**Master Street Address Guide (MSAG)**

Dr	Street	Line	High	OSSE/Community	County	State	Entity	Exchange	EIS1	MSAG System
52	BLACKWOOD DR	1	11000	12000	HARBING TWP	MI	705	CDL C	157	WEXFED
53	BLOODETT ST	1	100	495	CADILLAC	MI	705	CAD	164	WEXFED
54	BLOSSOM AV	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
55	BLUE SPRUCE TR	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
56	BOB RD	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
57	BOND ST	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
58	BONDSMALL DR	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
59	BOON ST	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
60	BOON ST	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
61	BOON ST	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
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63	BOON ST	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
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98	BOON ST	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
99	BOON ST	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED
100	BOON ST	1	100	495	HARBING TWP	MI	705	CAD	157	WEXFED

**Validation**



External Address Data Sources:



**Tax, Utility Billing, etc**



**Applications/Mobile Operations**

## The Trend



External Address Data Sources:



**Tax, Utility Billing, etc**



**Applications/Mobile Operations**

## What does this mean?

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- NextGen 911 will utilize the GIS database as the key location component, eventually replacing MSAG.
- GIS address data will become a key authoritative source.
- GIS professionals will become the keeper of those keys.
- Better, more accurate address data all around.
- Need to reconcile MSAG with the GIS database beforehand.
- Opens the door to refining many other databases.
- Let's see how this could be done.



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