Regional N-G-9-1-1 PSAP Project

Roanoke Valley Virginia
Project Success

• NextGen ready 9-1-1 data
  • Validating addresses and getting into NextGen 9-1-1
  • Capital region is pushing. Building their own Esinet to build NextGen 9-1-1
  • NextGen 911 compliant

• Proper Response Areas
  • Specific problem areas- resolving response agency
  • Never a bad dispatch
    • Can you provide statistics on calls – or number of trouble calls?
Project Success

- Cohesive Data
  - Grab the data and it's ready to roll and nobody has to do anything to it.
  - Love that when other entities update data we will get that.
  - A Nice homogenous dataset.

- Regional Data
  - A way to sustain it. A process in place so that when Salem adds a new street we can share that.
  - We get XY coordinates in other counties, but we don't have the data to plot that point.
  - Would be useful to have adjacent data.
  - We would love to have the whole region of data.
  - A database that we can all put data in and still take out and use.
  - Hoping to get a single kind of product that works for all the entities.
Project Success

• Compatible CAD Data
  • Having data that fits into any CAD system would be ideal.
  • Just want a good map with useful information.
  • That is compatible with everybody's CAD.

• Really want PSAPs involved in this (it's 9-1-1 tax dollars after all)
  • What the PSAPs need is more important than what I need
  • PSAP Coordinators information they need
  • PSAP coordinators- make sure when we get mutual aid calls that we know where we are sending people.
  • Another goal is to getting each PSAP communicating regularly.
Accomplishments

Defined a PSAP schema
  • Shared by 3 entities
  • Important, for the PSAP data to be compatible with NG 9-1-1 data model.
    • Incorporated Draft Data Model
      • Included Mandatory & Conditional Fields
  • Project Documentation
Accomplishments

- Conflict Resolution/GIS Coordination
  - The entities worked together on the resolve boundary conflicts.
- GIS Coordination Meetings
- Data Correction
  - Municipalities begin to resolve errors
  - Utilize Error Logging Reports
These layers MUST be available for the Functional Elements Emergency Call Routing Function (ECRF) and Location Validation Function (LVF) to function and are required for call taking and dispatch operations:

- Road Centerlines
- PSAP Boundary
- Emergency Service Boundary (this MUST include Law, Fire, and Emergency Medical Service (EMS) which MAY be in separate layers
  - We Have!

Other layers in this document that complete the minimum recommended GIS data for NG9-1-1 and E9-1-1 call taking and dispatch operations:

- Railroad Centerlines
- Hydrology Line
- Hydrology Polygon
- Cell Site Location
- Mile Marker Location
- PSAP Boundary
  - We Don’t Have 😞 Phase II Incorporation?
Acknowledgements

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Thank you!