Who Get's the Call? Best Practices for ESB Creation and Maintenance
Melissa Liebert, GIS Technician II/Cartographer, Wahkiakum County, Cathlamet, WA

ABSTRACT TEXT: Next Generation 9-1-1 (NG9-1-1) has arrived and with it a bundle of Geographic Information System (GIS) data layers are needed in order for a 9-1-1 system to function properly. A set of these layers is categorized as Emergency Service Boundaries (ESB) and include the Public Safety Answering Point (PSAP), Law, Emergency Medical Services (EMS), and Fire emergency call routing areas. These boundaries are fundamental in correctly routing emergency service calls but are often not the easiest to create due to political and financial influences.

This presentation will review NENA’s newly published NENA Information Documents for GIS Data Stewardship for Next Generation 9-1-1 (NG9-1-1) and take a look at the recommendations the document lays out for boundary creation and management. Additionally, real world examples will be given as to how to create these ESBs and how the location of boundaries impact NG9-1-1 call routing.

Importance of GIS in Next Generation 9-1-1
Steve Marzolf, Director, Virginia Information Technologies Agency, Richmond, VA

ABSTRACT TEXT: While 9-1-1 centers have been using geospatial data for many years, the implementation of next generation 9-1-1 (NG9-1-1) will place high requirements for the accuracy and integrity of geospatial data. The Commonwealth of Virginia took a statewide approach to analyzing the GIS data requirements and readiness. Virginia will be used as a case study for this session providing practical tips and techniques to preparing for NG9-1-1. With 119 primary 9-1-1 centers and 134 localities, this approach has allowed Virginia to focus limited resources where they are most needed and ensure all citizens will benefit this life saving technology.

Beyond the 98 - Solving the NG9-1-1 GIS Data Puzzle
Sandi Stroud, Associate Vice President, Public Safety GIS, Michael Baker International, Virginia Beach, VA

ABSTRACT TEXT: NG9-1-1 fully embraces our data driven world and aims to upgrade emergency response systems so they remain current with ever-evolving technology. Leveraging an internet protocol based system, NG9-1-1 allows digital information and location coordinates to be transmitted through the 9-1-1 network like never before. This change in opens the door of possibilities and shifts mission critical data responsibilities. The migration to geospatial call routing requires local GIS data to be maintained at a higher level of precision than ever before and the responsibility to build and maintain these spatial features lies at the local level. Synchronizing GIS data with MSAG and ALI tables to 98% is a good start but it is important to go beyond this metric to ensure for GIS data is truly public safety grade.

What should I do now that there is an NG911 GIS Data Model?
Deb Rozeboom, PMP, ENP, GISP, General Manager, GeoComm West Coast Office, Saint Cloud, MN

ABSTRACT TEXT: Sooner rather than later” is a common expression and one that applies to learning about the NENA NG9-1-1 GIS data model standard. The standard was released a year ago, so there’s never been a better time to learn how to use it to guide your 9-1-1 GIS data management efforts. The session will provide an understanding of the document components, why the standard is necessary, and will take a detailed look at common questions about the standard. During this session attendees and presenters will discuss how to use the standard to guide GIS data management efforts in preparation and implementation of NG9-1-1.