



***KENAI PENINSULA BOROUGH***  
***Office of Emergency Management***

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JOHN WILLIAMS  
MAYOR

**MEMORANDUM**

To: Grace Merkes, Assembly President  
Members, Kenai Peninsula Borough Assembly

Thru: John Williams, Borough Mayor

From: Scott Walden, OEM Coordinator

Date: June 25, 2008

Subject: Ordinance 2008-21, Amending KPB Chapter 2.60 to Adopt National Standards for the Practices and Procedures in the Operation of the Borough's Enhanced 911 System and to designate the two KPB Public Safety Answering Point (PSAP) Selective Router Demarcation Points

This ordinance endorses the borough's use, to the extent technically and financially feasible, of recognized national standards and recommendations as practical and procedural guidelines in operating the borough's Enhanced 911 system. As discussed below, it also designates two PSAP demarcation points that establish where telecommunication carrier and borough responsibilities meet.

The borough has implemented the Enhanced 911 system that is provisioned for both Wireless Phase I (caller ID and proximity to a cell tower) and Phase II (caller ID and latitude/longitude location). With the borough now owning and administering the pertinent Enhanced 911 systems and infrastructure, and with new telecommunications carriers entering the local market, the borough needs to adopt technical standards and consistent operational practices to improve coordination and deployment of 911 services area wide.

The proposed standards are those of National Emergency Number Association (NENA), Alliance for Telecommunications Industry Solutions (ATIS), American National Standards Institute (ANSI) and National Fire Protection Association (NFPA). NENA represents the interests of emergency communications professionals, publishing standards and technical/operational information specifically related to 911 communications. ATIS develops standards with ANSI. ATIS provides an emergency services forum to identify and resolve technical issues related to interconnection of carriers and emergency dispatch. NFPA develops codes and standards for installation, performance, operation and maintenance of emergency communications systems and facilities.

These recent upgrades to the Kenai Peninsula Borough 911 system have also resulted in the need to designate demarcation points into the borough provided/maintained system. These points identify where borough and telecommunication carrier responsibility for the provision of 911 services meet.

State and federal law requires telecommunications carriers to present 911 calls to designated public safety answering points (PSAPs). The new system requires a borough demarcation designation for future connectivity by telecommunications carriers for both wireline and wireless service.

The Borough and communities of Kenai, Homer and Seward, which each operate a City 911 center tied to borough equipment, have determined that the borough owns and administers the technical infrastructure required to provide Enhanced 911 including equipment, servers, routers and databases to support 911 call taking and dispatch, as well as selectively routing such calls to the appropriate dispatch center.

To minimize impact and reduce costs to telecommunications carriers, the borough has established two geographically separate demarcation points for carriers to terminate inbound 911 calls.

This ordinance designates the demarcation points at the site of the selective router equipment located at 253 Wilson Lane in Soldotna and at 450 Marathon Road in Kenai. The 911 Advisory Board recommended the approval of the above-described standards and these demarcation points during its June 4, 2008, meeting.