Emergency Signaling

KNG series radios support emergency calls and emergency alarms. An emergency or 'panic mode' button is assigned by radio programming. For portable radios, this is usually assigned to the orange button at the base of the antenna. Mobile radio control heads provide an orange button intended for emergency use as well. Emergency is supported for both conventional and trunked operation.

KNG radios are placed into the emergency state when the programmed emergency button has been pressed for approximately 0.5 seconds. The emergency operation of the radio is configurable based on radio programming. KNG radios support the following emergency features:

Emergency Alarm: If programmed for emergency alarm, once the radio operator has activated the emergency state, the radio will transmit a short P25 data message indicating the radio has declared an emergency. Included in this message, will be the radio unit ID. If the radio is operating on an infrastructure system which acknowledges the emergency alarm, this acknowledgement will be indicated in the radio display. Emergency alarm can be configured for 'silent' operation. In this mode, the radio will not provide any audible indications the emergency state has been activated.

Emergency Call: Once the radio has entered the emergency state, all P25 transmission will be made with the emergency bit set. This will allow receiving radios and infrastructure systems to recognize that this radio is operating in a declared emergency mode. As with emergency alarm, the unit ID of the radio is transmitted so that receiving radios or infrastructure can determine the source of the emergency call.

Emergency Revert: KNG radios can be programmed to revert to the designated emergency channel or talk group once an emergency has been activated. This feature is provided to allow the radio to transmit emergency traffic on a predefined channel or talk group that is continuously monitored so that immediate action can be initiated.

Emergency Hot Microphone: If programmed, KNG radios will automatically begin transmitting once the emergency button has been activated. KNG radios can be programmed for a transmit duration of 10 to 120 seconds in 10 second increments.

Emergency Indicators: KNG radios provide visual indicators of emergency states in the radio display. Thus if another radio is transmitting with the emergency bit set, KNG radios will provide will display "emergency" in the radio display during reception. As an option, KNG radios can be programmed to admit an audio emergency tone when receiving an emergency call.

KNG Series radios allow the radio user to cancel the emergency alarm by holding the emergency button for an extended period (approximately 2 seconds) of time. This prevents the user from having to power cycle the radio to clear the alarm. For infrastructure systems that support emergency call cancel from the subscriber radio, the KNG radios can be programmed to transmit the emergency call cancel message.