



REX SYSTEMS INCORPORATED

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Experimental System Description

The objective of the First Responder Communication System is to provide an effective communication and position location system that meets the needs for both military and domestic urban First Responders. The First Responder Communication System shall provide the following: a mobile command center - Responder Operations Center, a wireless 802.11 ad-hoc mesh network, assisted GPS reference location nodes, wearable First Responder Communicators capable of delivering situational awareness information, and intra-unit communication and collaboration. The First Responder Communication System will be a modular, integrated, computer based system with advanced forward looking technology for wireless communications, position/navigation, information interchange, and power technologies. The First Responder Communication System will increase emergency responder effectiveness and survivability.