Proposal for robust person-to-person communications system for large-scale emergency displaced population of people and pets

Lessons learned about person-to-person communications and reuniting people and pets through major emergencies from September 11, 2001 through 2018 are reviewed. Attempts to rectify problems are listed. The present state-of-the-art of the American Red Cross Safe and Well Program and social media systems is reviewed. New enabling technologies, that have heretofore not been exploited for the purpose, are reviewed.

A new, rapidly deployable, person-to-person communications method that more fully exploits state-of-the-art communications technology, removes barriers, and is as simple to use as a telephone, is proposed. In particular, one that is equipped to handle a large nomadic component, which could potentially be millions of people and pets. For example, an earthquake, tsunami, nuclear power plant malfunction, chemical plant malfunction, terrorist act, or war.